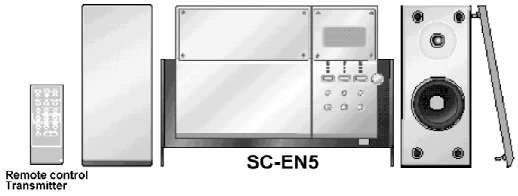
Order No. MD0306244C1
A6

Service Manual

CD Stereo System

SC-EN53P
Color
(S)...Silver Type



SPECIFICATIONS

Specification

■ **Radio**

Frequency range	
FM	**87.9-107.9MHz (200kHz Steps)**
	87.5-108.0MHz (100kHz Steps)
AM	**520-1710kHz (10kHz Steps)**

■ **CD Player**

Sampling frequency	**44.1kHz**
Decoding	**16 bit linear**

■ **Beam source**

	Semiconductor laser (wavelength 780nm)
Number of channels	**2 channel, stereo**
Wow and flutter	**Below measurable limit**
D/A converter	**MASH (1 bit DAC)**

■ **General**

Speakers	
Full range	**7cm (2-3/4”), 4 Ω × 2**
Ceramic tweeter	**1.52cm (19/32”) × 2**
Jacks	
Output	**PHONES: 3.5mm stereo (32 Ω)**
Power requirement	
AC adaptor	**DC 10V, 1.2A**
	Power consumption: 18W
	AC: 120V, 60Hz
Dimensions (W x H x D)	**298 x 197 x 141 mm**
	(11-23/32” x 7-3/4” x 5-9/16”)
Mass	
With speakers	**2.7 kg (5 lb. 15 oz.)**
Without speakers	**1.5 kg (3 lb. 5 oz.)**

Power consumption in standby mode: 1.3W

Notes:

1.Specifications are subject to change without notice.
2.Mass and dimensions are approximate.

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1. Safety Precaution

(This "Safety Precaution" is applied only in U.S.A.)

1. **Before servicing, unplug the power cord to prevent an electric shock.**
2. **When replacing parts, use only manufacturer's recommended components for safety.**
3. **Check the condition of the power cord. Replace if wear or damage is evident.**
4. **After servicing, be sure to restore the lead dress, insulation barriers, insulation papers, shields, etc.**
5. **Before returning the serviced equipment to the customer, be sure to make the following insulation resistance test to prevent the customer from exposed to a shock hazard.**

- Insulation Resistance Test

1. **Unplug the power cord and short the two prongs of the plug with a jumper wire.**
2. **Turn on the power switch.**
3. **Measure the resistance value with ohmmeter between the jumper AC plug and each exposed meter cabinet part, such as screw**

heads, antenna, control shafts, handle brackets, etc. Equipment with antenna terminals should read between 3M Ω and 5.2M Ω to all exposed parts*. (Fig 1) Equipment without antenna terminals should read approximately infinity to all exposed parts. (Fig 2)
***Note: Some exposed parts may be isolated from the chassis by design. These will read infinity.**

4. **If the measurement is outside the specified limits, there is a possibility of a shock hazard. The equipment should be repaired and rechecked before it is returned to the customer.**

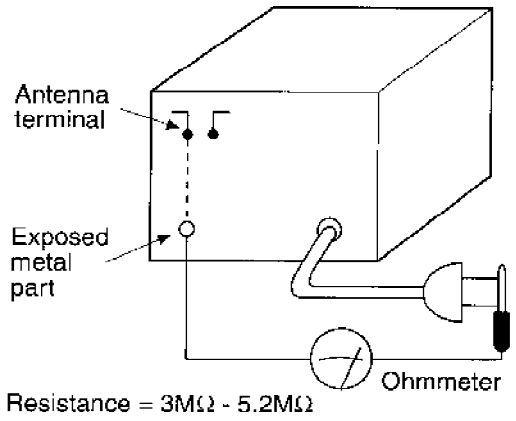


Fig. 1

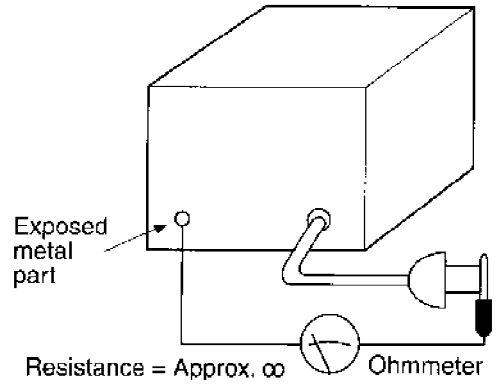


Fig. 2

2. Before Repair and Adjustment

Disconnect AC power, discharge Power Supply Capacitors C510, through a 10 Ω , 5W resistor to ground. DO NOT SHORT-CIRCUIT DIRECTLY (with a screw driver blade, for instance), as this may destroy solid state devices.
After repairs are completed, restore power gradually using a variac, to avoid over current.

3. Protection Circuitry

The protection circuitry may have operated if either of the following conditions are noticed:

- No sound is heard when the power is turned on.

- Stop during a performance.

The function of this circuitry is to prevent circuitry damage if, for example, the positive and negative speaker connection wires are "shorted", or if speaker with an impedance less than the indicated rated impedance of the amplifier are used.

If this occurs, follow the procedure outline below:

1. Turn off the power.

2. Determine the cause of the problem and correct it.

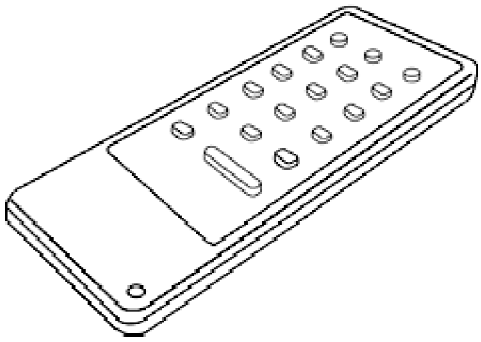
3. Turn on the power once again after one minute.

Note:

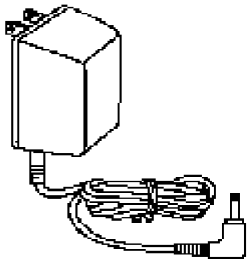
When the protection circuitry functions, the unit will not operate unless the power is first turned off and then on again.

4. Accessories

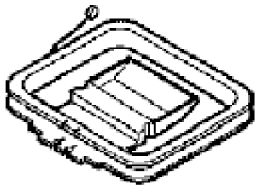
Remote control...1pc.



AC adaptor...1pc.



AM loop antenna...1pc.



5. Handling Precautions For Traverse Deck (Optical Pickup)

The laser diode in the traverse deck (optical pickup) may break down due to potential caused by static electricity of clothes or human body. So, be careful of electrostatic breakdown during repair of the traverse deck (optical pickup).

- Handling of traverse deck (optical pickup)

1. **Do not subject the traverse deck (optical pickup) to static electricity as it is extremely sensitive to electrical shock.**
2. **To prevent the breakdown of the laser diode, an antistatic shorting pin is inserted into flexible board (FFC board) (Figure 4.1).**
3. **Take care not to apply excessive stress to the flexible board (FFC board). When removing or connecting the short pin, finish the job in as short time as possible.**
4. **Do not turn the variable resistor (laser power adjustment). It has already been adjusted.**

- Grounding for electrostatic breakdown prevention

1. **Human body grounding (Figure 4.3)**
   Use the anti-static wrist strap to discharge the static electricity from your body.
2. **Work table grounding (Figure 4.2)**
   Put a conductive material (sheet) or steel sheet on the area where the traverse deck (optical pickup) is place, and ground the sheet.

Caution:

The static electricity of your clothes will not be grounded through the wrist strap. So, take care not to let your clothes touch the traverse deck (optical pickup).

Caution when replacing the Traverse Deck

The traverse deck has a short point shorted with solder to protect the laser diode against electrostatics breakdown. Be sure to remove the solder from the short point before making connections.

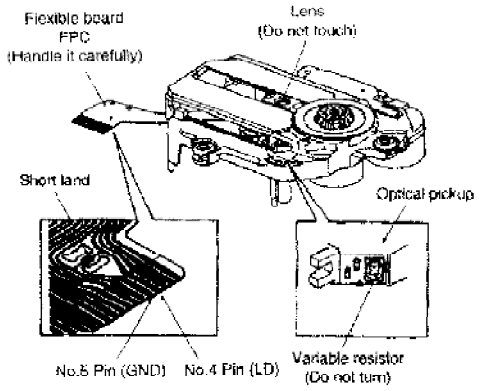


Figure 4.1

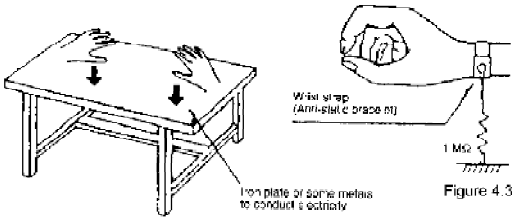


Figure 4.3

Figure 4.2

6. Precaution of Laser Diode

Caution:

This unit utilizes a class 1 laser. Invisible laser radiation is emitted from the optical pickup lens. When the unit is turned on:

1. **Do not look directly into the pickup lens.**
2. **Do not use optical instruments to look at the pickup lens.**
3. **Do not adjust the preset variable resister on the pickup lens.**
4. **Do not disassemble the optical pickup unit.**
5. **If the optical pickup is replaced, use the manufacturer's specified replacement pickup only.**
6. **Use of control or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.**

CAUTION!

THIS PRODUCT UTILIZES A LASER.
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN TH
SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

7. Prevention of Electro Static Discharge (ESD) To Electrostatically (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES Devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electro static discharge (ESD).

1. **Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, Which should be removed for potential shock reasons prior to applying power to the unit under test.**
2. **After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as alminum foil, to prevent electrostatic charge buildup or exposure of the assembly.**
3. **Use only a grounded-tip soldering iron to solder or unsolder ES devices.**
4. **Use only an anti-static solder removal devices. Some solder removal devices not classified as "anti-static (ESD protected)" can generate electrical charge sufficient to damage ES devices.**
5. **Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.**
6. **Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, alminum foil or comparable conductive material).**
7. **Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.**

   Caution

   Be sure no power is applied to the chassis or circuit, and observe

all other safety precautions.

8. **Minimize bodily motions when handling unpackaged replacement ES devices.(Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).**

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are imporant for safety.
These parts are marked by ⚠ in the schematic diagrams, Exploded Views and replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.

8. Handling the Lead-free Solder

8.1. About lead free solder (PbF)

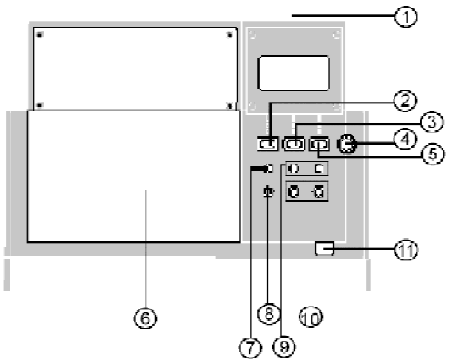
Distinction of PbF P.C.B.:
P.C.B.s (manufactured) using lead free solder will have a PbF stamp on the P.C.B.

Caution

- **Pb free solder has a higher melting point than standard solder; Typically the melting point is 50-70°F (30 - 40°C) higher.Please use a high temperature soldering iron. In case of the soldering iron with temperature control, please set it to 700± 20 °F (370 ± 10°C).**
- **Pb free solder will tent to splash when heated too high (about 1100°F/600°C).**
- **When soldering or unsoldering, please completely remove all of the solder on the pins and solder area, and be sure to heat the soldering points with the Pb free solder until it melts enough.**

9. Operation Procedures

Main unit



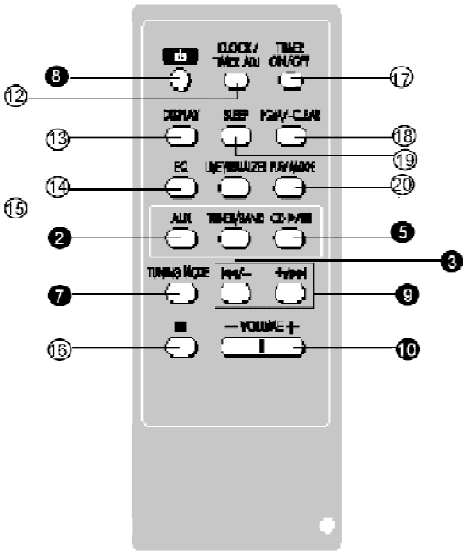
① Display
② AUX button (AUX)
③ Tuner/band select button (TUNER/BAND)
④ CD stop, CD lid open/close button (■/≙)
⑤ CD play/pause button (CD ►/ II)
⑥ CD lid
⑦ Tuning mode select button (TUNING MODE)
⑧ Standby/on switch (⏻/I)
Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.

The unit is in the standby condition (the [⏻/] indicator lights) when the AC mains lead is connected. The primary circuit is always "live" as long as the AC adaptor is connected to an electrical outlet.

When the unit is connected to the AC adaptor, this indicator lights up in standby mode and goes out when the unit is turned on.

⑨ CD skip/search, tune/preset channel select, time adjust buttons (I◄◄/–, +/►►I)
⑩ Volume control (VOLUME, –, +)
⑪ Remote control signal sensor

Remote control



Buttons such as ❶ function in exactly the same way as the buttons on the main unit.

⑫ Clock/timer adjust button (CLOCK/TIMER ADJ)
⑬ Display button (DISPLAY)
⑭ EQ select button (EQ)
⑮ Live virtualizer button (LIVE VIRTUALIZER)
⑯ CD stop button (■)
⑰ Timer on/off button (TIMER ON/OFF).
⑱ CD program/clear, tuner preset button (PGM/–CLEAR)
⑲ Sleep timer button (SLEEP)
⑳ Play mode select button (PLAY MODE)

10. Operation Checks and Component Replacement procedure

“ATTENTION SERVICER”
Some chassis components maybe have sharp edges.Be careful when diassembling and servicing.

1. This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.
2. For reassembly after operation checks or replacement, reverse the respective procedures. special reassembly procedures are described only when required.
3. Select items from the following index when checks or replacement are required.
4. Refer the Parts No. on the page of “Main Component Procedures”, if necessary.

Content

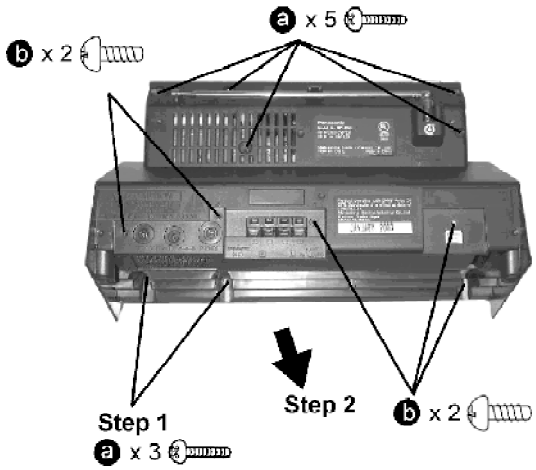
- Operation checks and component replacement procedures.
  10.1.1. Checking for Power and Main P.C.B.
  10.1.2. Checking for Switch, Led, Panel P.C.B.
  10.1.3. Disassembly for CD unit.
  10.1.3.1. Disassembly of CD lid.
  10.1.3.2. Disassembly of CD unit
  10.1.3.3. Replacement for the traverse and CD servo.
  10.1.3.4. Removal of CD servo P.C.B
  10.1.3.5. Installation of traveller unit.
  10.1.4. Replacement for the motor ass’y and belt.

Warning:

This product uses a laser diode. Refer to “Precaution of Laser Diode”.

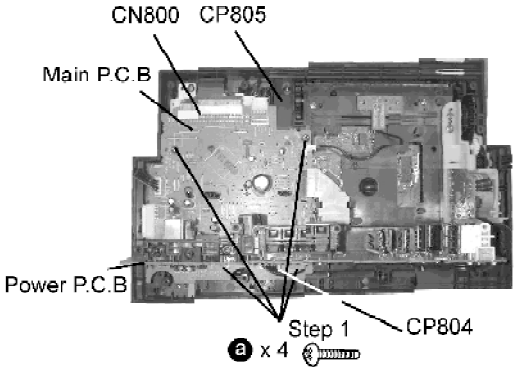
10.1. Operation checks and component replacement procedures

10.1.1. Checking for Power and Main P.C.B

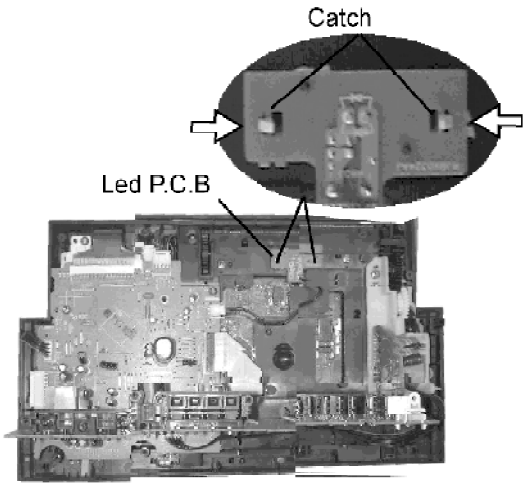


Step 1: Remove all the screws.
Step 2: Lift and push the cabinet ass'y towards the rear and remove the cabinet.

10.1.2. Checking for Switch, Led, Panel P.C.B

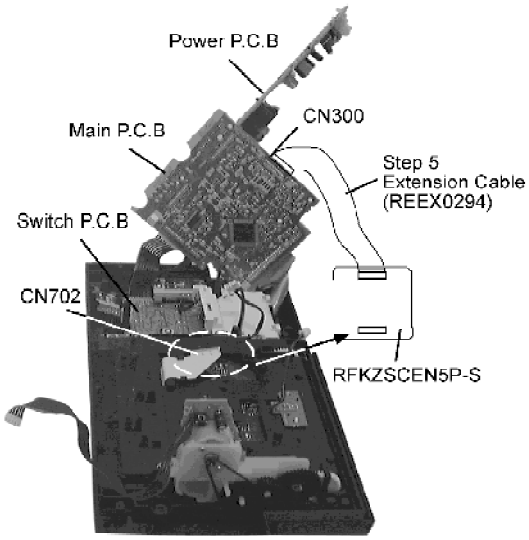


Follow (step 1) to (step 2) of item 10.1.1.
Step 1: Remove 4 screws.
Step 2: Disconnect connectors (CP805, CN800,CP804,CN300)



Step 3: Push the catch inwards to release CD Led P.C.B.
Step 4: Upset the main P.C.B

Note: When upsetting Main P.C.B, avoid damaging LCD FPC (CN800)



Step 5: Connect an extension wire (REEX0294) & service tools RFKZSCEN5P-S for troubleshooting.
Step 6: Re-connect LCD FPC (CN800,CN300,CP805,CP804)

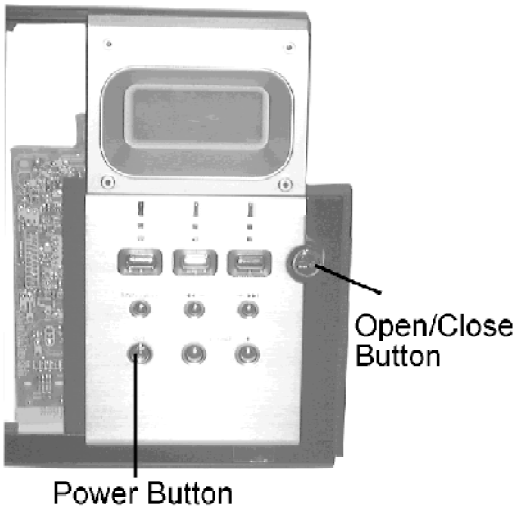
10.1.3. Disassembly for CD Unit

(The CD changer unit can be remove after the CD Lid is removed)

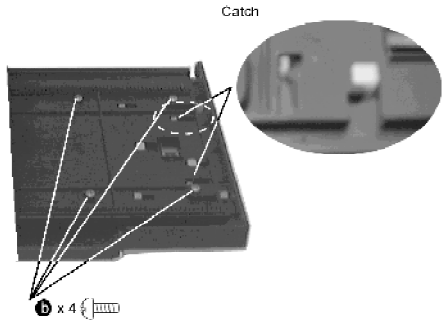
10.1.3.1. Disassembly of CD Lid

- When opening the tray using power supply.

Step 1: Connect AC power cord.



Step 2: Press power button to power up unit.
Step 3: Press Open/ Close button, the tray will open automatically



Step 4: Remove 4 screws.

Step 5: Push the catch inwards and push the lid downwards.

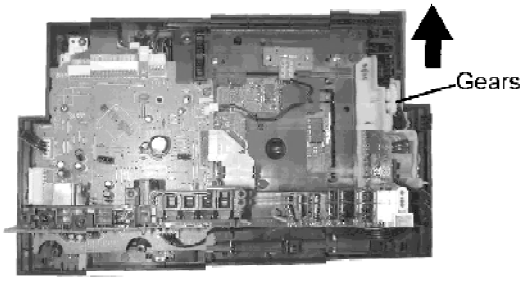
Step 6: Remove the CD lid.

Step 7: Press open/close button, the tray will close.

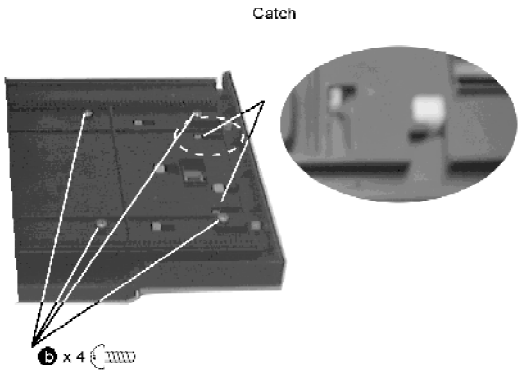
- When opening the tray manually.

Follow (step 1) to (step 2) of item 10.1.1.

Step 1: Roll the gear in the direction of the arrow shown.



Step 2: Pull out the CD lid in the direction of the arrow shown.



Step 3: Remove 4 screws.

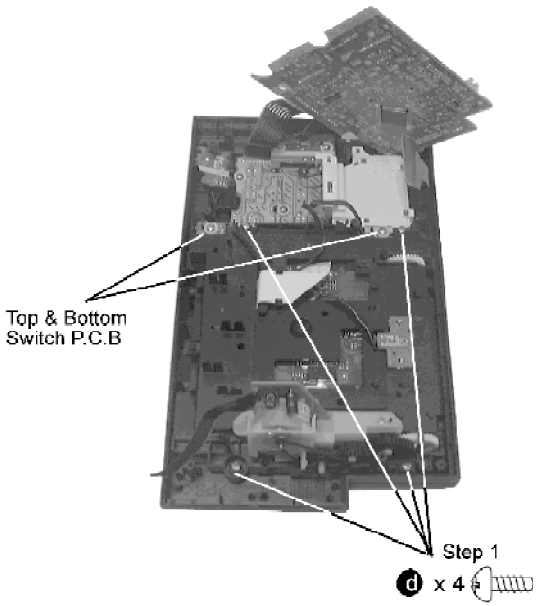
Step 4: Push the catch inwards and push the lid downwards.

Step 5: Push the tray inwards.

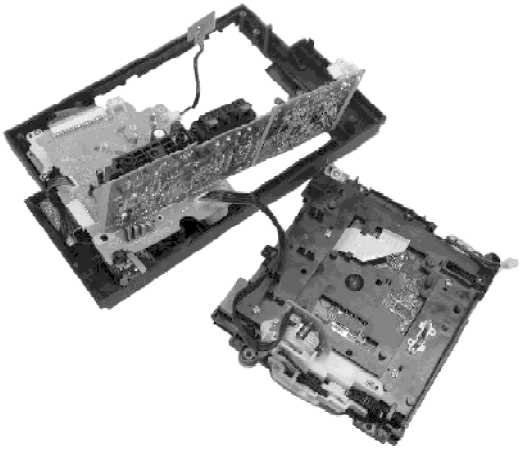
10.1.3.2. Disassembly of CD unit

Follow (step 1) to (step 6) of item 10.1.2.

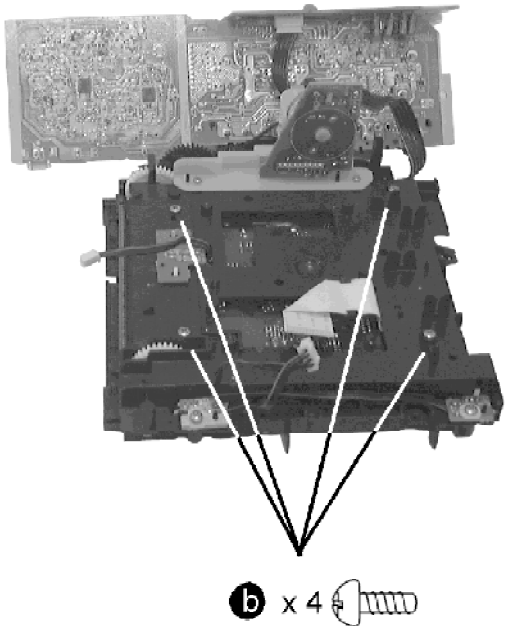
Follow steps for disassembly of CD lid.



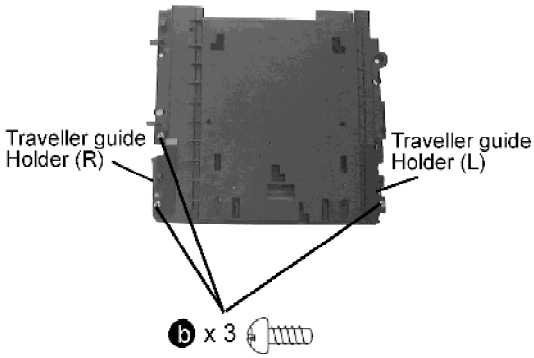
Step 1: Remove 4 screws.



Step 2: Upset CD traverse unit as shown above

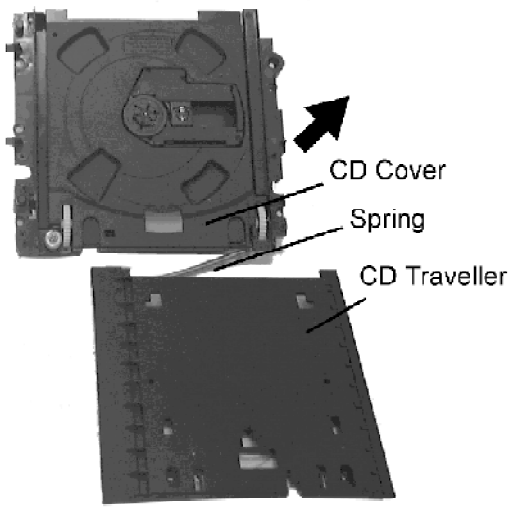


Step 3: Remove 4 screws.



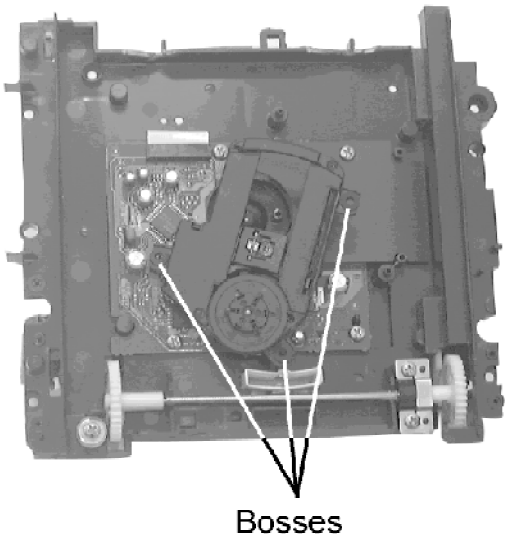
Step 4: Flip the unit upwards then remove 3 screws.

Note: Press and hold traveller unit while removing the screws.This is to prevent of sudden ejection of traveller. Do be careful of misplacing the spring.



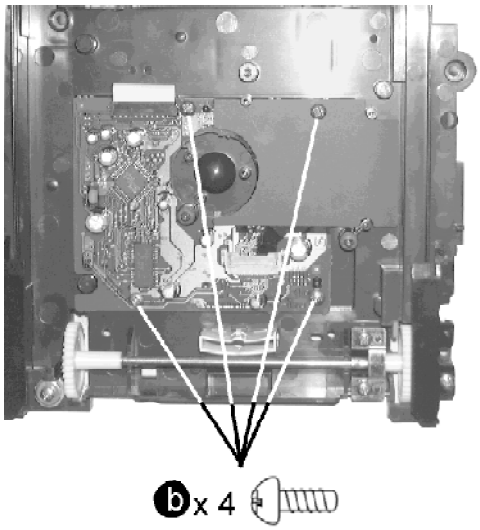
Step 5: Release the CD traveller unit
Step 6: Lift up the CD cover in the direction of the arrow shown.

10.1.3.3. Replacement for the traverse and CD servo.



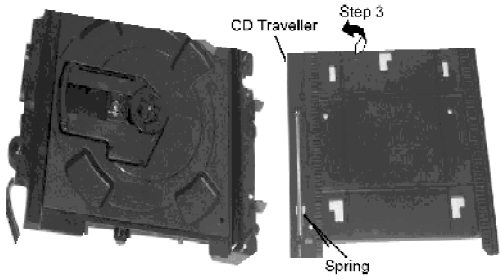
Follow steps for disassembly of CD lid unit.
Follow (step 1) to (step 6) of item 10.1.2.
Follow (step 1) to (step 6) of item 10.1.3.2.
Step 1: Remove the traverse.

10.1.3.4. Removal of CD servo P.C.B.

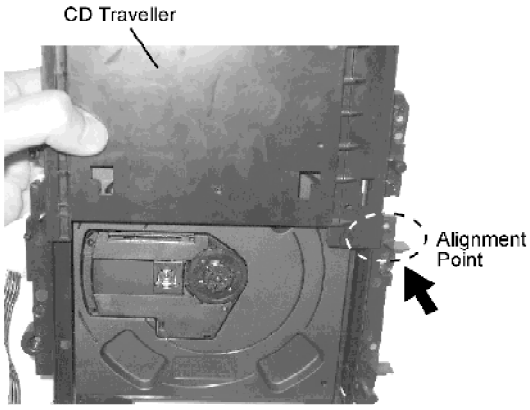


Step 1:Remove 4 screws from CD servo P.C.B.

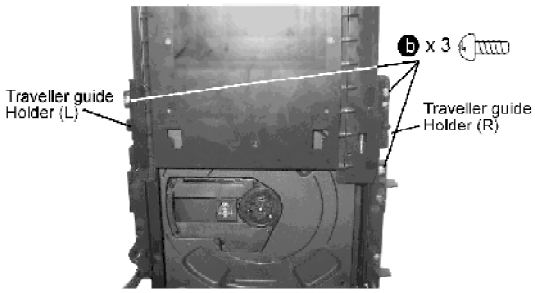
10.1.3.5. Installation of traveller unit.



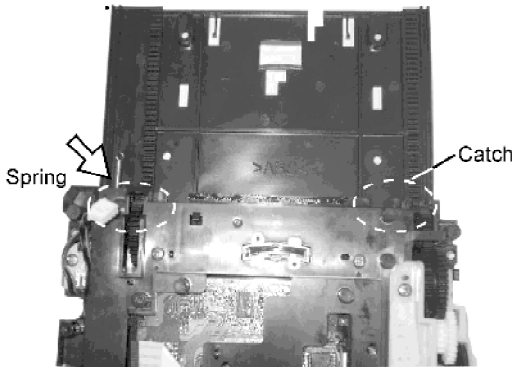
Step 1: Place the CD unit and CD Traveller as shown above.
Step 2: Place the spring straight as shown.
Step 3: Flip over the CD Traveller.
Step 4: Place the CD Traveller on the unit.

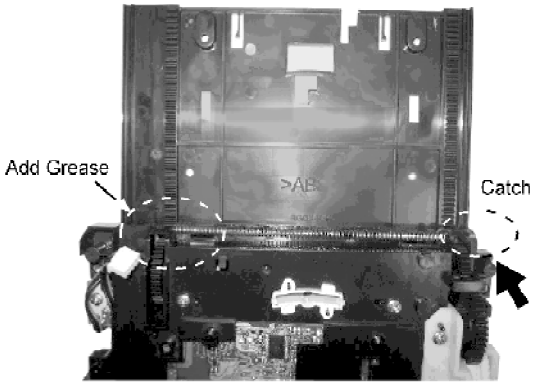


Step 5: Push the CD Traveller slowly backwards till the point shown above.



Step 6: Screw the 3 screws. (Traveller guide)

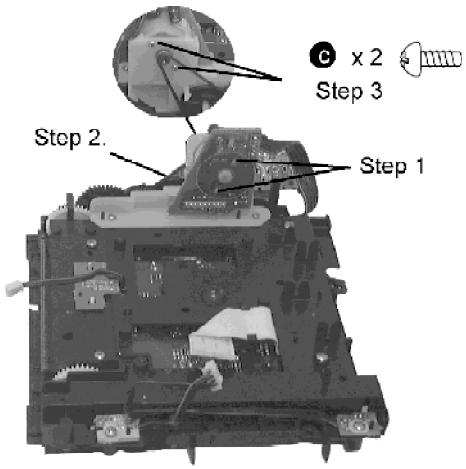




Step 7: Flip the unit over and make sure the spring is on the pulley.
Step 8: Pull the spring to hook at the catch as shown.
Step 9: Push back the CD Traveller.

10.1.4. Replacement for the motor ass'y and belt.

Follow (step 1) to (step 2) of item 10.1.1.



Step 1: Unsolder the motor terminal.
Step 2: Remove the belt.
Step 3: Remove 2 screws.

11. Self Diagnostic Function

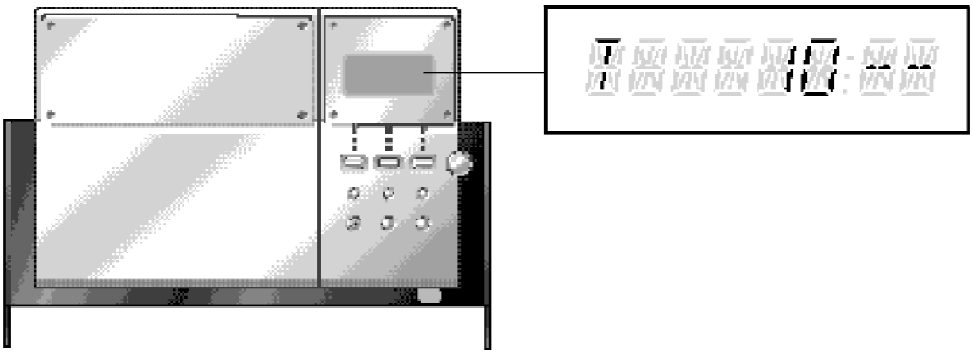
11.1. Setting of self diagnostic Function

11.1.1. Setting of self diagnostic mode /

1. Press CD ▶/‖ key either from Main Panel or remote controller. Press ■ (STOP) to stop the CD Play status.

2. To enter into self-diagnostic mode:

- Long press of ■ (STOP) key, ⏭/- key for more than 2 seconds.



3. Error during Test:

- Long press of TUNING MODE key (> 2sec) will show blinking error code. If abnormality occurs during test, error code will be displayed.
Example:

NOTE: Refer to error code table 12.1.

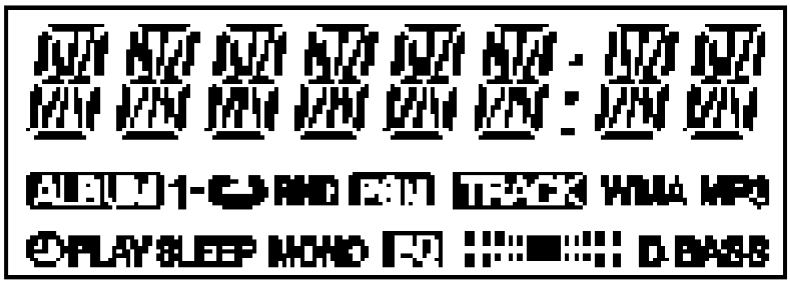
11.1.2. Test Mode Checking /

1. Operation keys and all segment display check mode:

- Activate the Self Diagnosis mode before performing the following steps

- Long press of CD ▶/‖ key (>2 sec) will enter this mode.

- When the keys of the main set is pressed, the various corresponding key functions shall light up and display that particular function. After all the main set keys were pressed, the LCD shows the following (Including CD LED):



2. CD auto adjustment test mode:

A. The result of auto adjustment will be show after TOC read.

- If no error during auto adjustment, the following display will be shown:

- Example:

3. CD lid OPEN/CLOSE aging test mode:

- Long press of ⏏/■ key (>5 sec) will enter this mode.

- This mode counts the number of times the CD lid open/close (MAX is 30000).

4. CD unit (240Z) and CD lid reliability test mode (Combination)

   - Long press of ⏭/- key and CD ▶/⏸ key (>2 sec) will enter into this test mode.

   - This test is the combination of CD lid operation and the inner and outer disc access operation aging test.The testing process is as follow: TOC read → Play all tracks → CD STOP → CD lid OPEN → Wait for 1sec in OPEN state → CD lid CLOSE → Increment counter (Repeat the whole process).

11.1.3. Exiting from self-diagnostic mode

1. Press POWER ON/OFF button from the remote controller / main set will exit from Self-Diagnostic mode.
2. The content of abnormalities (error code) are kept as long as the microcontroller memory is backup.
3. If there is an error detected in RAM check at Reset, the content in the RAM shall be initialised and all the contents of abnormalities shall be cleared.

12. Description of Error Code

12.1. Error detection for CD Mechanism block

No	Error	Error / Display	Problem condition
1	TOP SWITCH	H15	Detect error during opening operation and memoris it as an error.
2	BOTTOM SWITCH	H16	Detect error during closing operation and memoris it as an error.
3	REST SW	F15	Under normal operation (Self-Diagnostic Mode inclusive), this error occurs when the REST_SW OI not detected within the specified time (10 s) and sh be memorised.
4	Communication between CD LSI and Micro-P	F26	This error occurs when communication between CI LSI and Micro-P is abnormal.
5	PDET voltage level	F76	This error occurs when PDET (Input for detecting o under voltage of power supply) voltage level is not the range between 1.72V and 2.80V.

13. Block Diagram

14. Schematic Diagram

(All schematic diagrams may be modified at any time with the development of new technology.)
Notes:

S505	Bottom Detect SW
S506	Top Detect SW
S550	CD Eject Switch
S551	Vol -- Switch
S552	Vol ++ Switch
S553	CD Play Switch
S554	Tuner / Band Switch
S556	FF / ++ Switch
S558	Rew / -- Switch
S559	Aux Switch
S560	Tune Mode Switch
S561	Power Switch

- The voltage value and waveforms are the reference voltage of this unit measured by DC electronic voltmeter (high impedance) and oscilloscope on the basis of chassis. Accordingly, there may arise some error in voltage values and waveforms depending upon the internal impedance of the tester or the measuring unit.

- Importance safety notice:
Components identified by ⚠ mark have special characteristics

important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

Caution!

IC, LSI and VLSI are sensitive to static electricity.
Secondary trouble can be prevented by taking care during repair.

- Cover the parts boxes made of plastics with aluminium foil.
- Put a conductive mat on the work table.
- Ground the soldering iron.
- Do not touch the pins of IC, LSI or VLSI with fingers directly.

15. Printed Circuit Board

16. Wiring Connection Diagram

17. Measurements and Adjustments

17.1. Tuner Adjustment

17.1.1. Required tools and equipment

- Signal generator
- AM loop antenna
- Oscilloscope or electrical voltage meter
- Headphone jig

17.1.2. Preparations for Adjustment

- Apply a setting, referring "Main Circuit Board Check" providing the procedures for disassembly and main parts replacement till operation check.
- Connect to the power supply (AC120V).
- Maximize the volume.

17.1.3. AM RF Adjustment

1. Input AM signal generator output from the AM loop antenna.
2. Connect a measuring instrument to the headphone jack.
3. Tune to the signal (SG 603kHz).

4. Adjust L3 so that the output reaches maximum. (Fig. 1)

17.1.4. AM IF Adjustment

1. Follow the steps 1 and 2 of AM RF Adjustment.
2. Tune to the signal (SG 450kHz).
3. Revolve the T1 core and adjust that the output waveforms reaches maximum. (Fig. 2)

17.1.5. AM VCO Adjustment

1. Input AM single generator output from the AM loop antenna.
2. Set the electrical voltage meter to TP1 - TP2.
3. Tune to the signal (SG 520kHz).
4. Adjust L6 so that the output reaches DC 1.4±0.3V.

17.1.6. FM RF Adjustment

1. Set the frequency of FM signal generator to 87.9MHz.
2. Input to TP1(RF I/P) - TP2(RF O/P) through FM dummy antenna.
3. Adjust L6 so that the output reaches maximum. (Fig. 1)
4. Take measurement at point 1, point 2 and point 3 (GND). Range from 2.15 ± 0.5 V

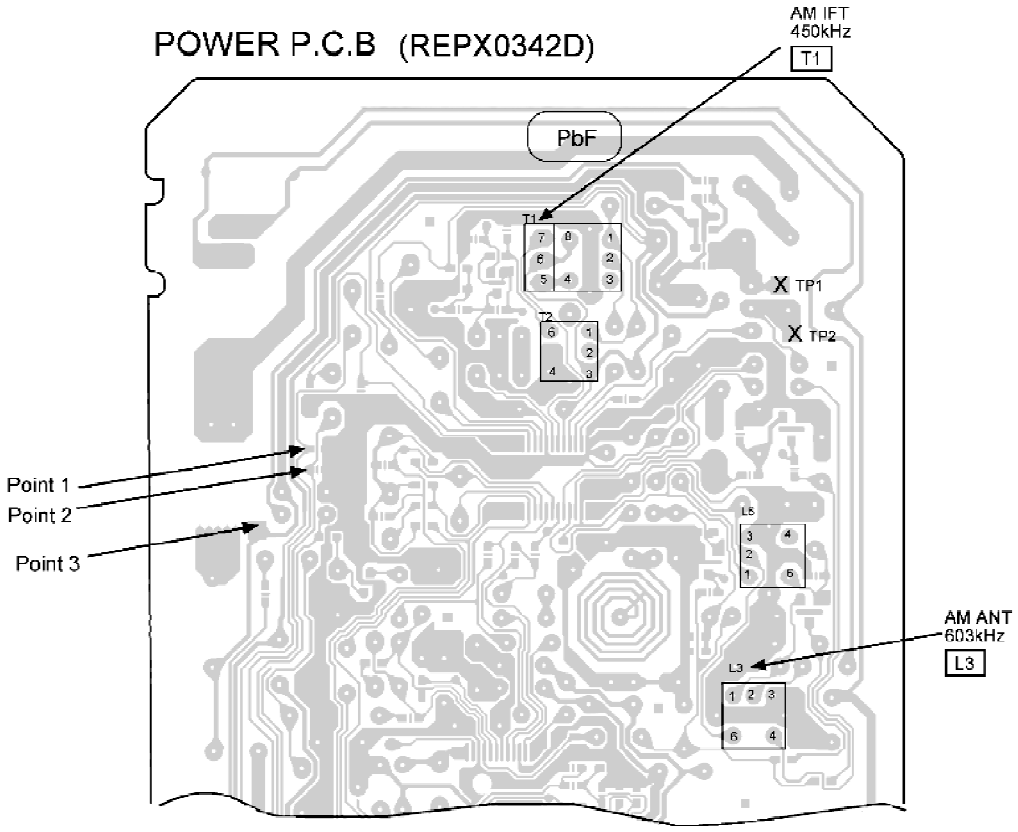


Fig 1

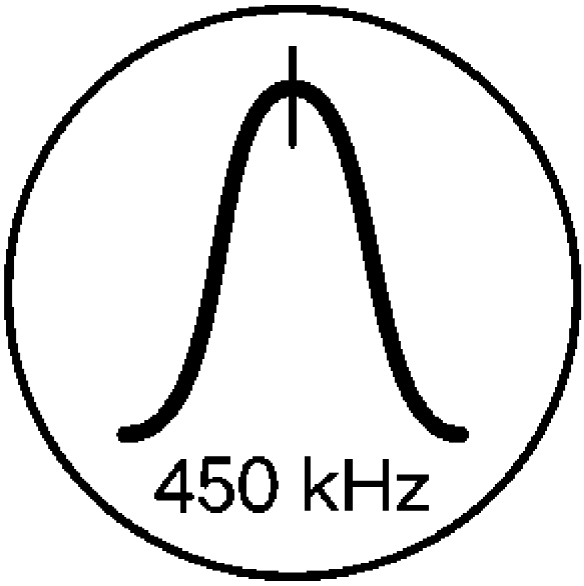


Fig 2

18. Type Illustrations of ICs, Transistors and Diodes

19. Terminal Functions of ICs

- IC701 (AN22003A-NF) Servo AMP

Pin No.	Mark	I/O	Function
1	PD	I	APC Amp. Input terminal
2	LD	O	APC Amp. Output terminal
3	VCC	-	Power supply terminal
4	EQSW	-	RF equalizer switch terminal
5	RFOUT	O	RF addition Amp.Output terminal
6	RFIN	I	AGC input terminal
7	CAGC	-	AGC loop filter capacity connecting terminal
8	ARF	O	AGC output terminal
9	CEA	-	HPF capacity connecting terminal
10	3TOUT	O	3 TENV output terminal
11	DCDET	-	HPF capacity connecting terminal for detecting system
12	OFTCONT	I	OFTR detect level adjustment terminal
13	BDO	O	BDO output terminal
14	OFTR	O	OFTR output terminal
15	NRFDET	O	NRFDET output terminal
16	LDON	I	LDON terminal
17	GND	-	GND
18	PDOWN	I	POWER DOWN terminal/RF addition ON/OFF control terminal
19	VREF	O	VREF output terminal
20	TEIN	I	TE Amp. Reverse input terminal
21	TE	O	TE Amp. Output terminal
22	FEIN	I	FE Amp. Reverse input terminal
23	FE	O	FE Amp. output terminal
24	GCTL	I	RF, FE/TE Gain control terminal
25	FBAL	I	FBAL control terminal
26	TBAL	I	TBAL control terminal
27	PDE	I	Tracking signal input terminal 1
28	PDF	I	Tracking signal input terminal 2

Pin No.	Mark	I/O	Function
29	PDB	I	Focus signal input terminal 2/RF addition amplifier input terminal
30	PDC	I	RF addition amplifier input terminal 3
31	PDA	I	Focus signal input terminal 1/RF addition amplifier input terminal 1
32	LDR	-	LD reference voltage/RF addition amplifier polar switch terminal

- IC702 (MN662790RSC) Servo Processor/Digital signal processor/ Digital filter/ D/A converter

Pin No.	Mark	I/O	Function
1	BCLK	O	SUB CODE BLK CLOCK
2	LRCK	O	L CH/R CH DISTINCTION CLK
3	SRDATA	0	SERIAL DATA
4	DVDD1	I	Power supply input (for digital circuit)
5	DVSS1	I	GND (for digital circuit)
6	TX	O	Digital audio interface signal output (Latches data at first transition)
7	MCLK	I	Microprocessor command clock signal input
8	MDATA	I	Microprocessor command data signal input
9	MLD	I	Microprocessor command load signal input
10	SENSE	O	Sense signal output (OFT, FESL, MADGEND, NAJEND, POSAD, SFG) (Not used, open)
11	/FLOCK	O	Focus servo feeding signal output (‘L’: Feed)
12	/TLOCK	O	Tracking servo feeding signal output (‘L’: Feed)
13	BLKCK	O	Sub-code block clock signal output (BLKCKf = 75Hz during normal playback)

Pin No.	Mark	I/O	Function
14	SQCK	I	External clock signal input for sub-code Q resister
15	SUBQ	O	Sub-code Q code output
16	DMUTE	I	Muting input ('H': mute)
17	STAT	O	Status signal output (CRC,CUE, CLVS, TTSTVP, FCLV, SQCK)
18	/RST	I	Reset signal input
19	SMCK	O	1/2- diveded clock signal of crystal oscillating at MSEL = "H" (fSCMK= 8.4672 MHz) 1/4- diveded clock signal of crystal oscillating at MSEL = "L" (fSCMK= 4.2336 MHz)
20	CSEL	I	Fequency Selection Terminal H = 33.8688 MHz; L = 16.9344MHz
21	TRV	O	N.C.
22	TVD	O	Traverse drive output
23	PC	O	Spindle motor ON output ('L' : ON)
24	ECM	O	Spindle motor drive signal output (forced mode output)
25	ECS	O	Spindle motor drive signal output (servo error signal output)
26	KICK	O	N.C.
27	TRD	O	Tracking drive output
28	FOD	O	Focus drive output
29	VREF	I	D/A (drive) output (TVD, ECS, TRD, FOD, FBAL, TBAL) Reference voltage input
30	FBAL	O	Focus balance adjustment output
31	TBAL	O	Tracking balance adjustment output
32	FE	I	Focus error signal input (analog input)
33	TE	I	Tracking error signal input (analog input)
34	RFENV	I	RF envelope signal input
35	VDET	I	Vibrating detection signal input ('H": detection)

Pin No.	Mark	I/O	Function
36	OFT	I	Off-track signal input (“H”: off track)
37	TRCRS	I	Track cross signal input
38	/RFDET	I	RF detection signal input (“L”: detection)
39	BDO	I	Dropout signal input (‘H”: Dropout)
40	LDON	O	Laser on signal output (“H”: ON)
41	PLLF2	I/O	N.C.
42	DSLF2	O	Tracking offset alignment output/DSL Balance Output (DA Output)
43	WVEL	O	N.C.
44	ARF	I	RF signal input
45	IREF	I	Reference current input
46	DRF	I	DSL Bias terminal (Not used, open)
47	DSLF	I/O	DSL loop filter terminal
48	PLLF	I/O	PLL loop filter terminal
49	VCOF	I/O	VCO loop filter terminal
50	AVDD2	I	Power supply input (for analog circuit)
51	AVSS2	I	GND (for analog circuit)
52	EFM	-	EFM signal output
53	PCK	-	PLL extraction clock output (PCK = 4.321 MHz during normal playback)
54	VCOF2	I/O	VCO Loop filter for 33.8688 MHz conversion terminal for 16.9344 MHz crystal mode, must use other circuit
55	SUBC	O	Sub- code serial data output
56	SBCK	I	Clock input for sub-code serial data
57	VSS	I	GND
58	X1 IN	I	Crystal oscillating circuit input (f = 16.9344 MHz)
59	X2 OUT	O	Crystal oscillating circuit input (f = 16.9344 MHz)
60	VDD	I	Power supply input (for oscillating circuit)

Pin No.	Mark	I/O	Function
61	TRVSTP	-	N.C.
62	GIO1	-	N.C.
63	GIO2	-	N.C.
64	IPFLAG	-	Interpolation flag output (“H” interpolation)
65	FLAG	-	Flag output
66	CLVS	-	Spindle servo phase synchronizing signal output (‘H”: CLV, “L”: rough servo)
67	CRC	-	Sub-code CRC checked output (“H”: OK, “L”: NG)
68	DEMPH	-	De- emphassis ON signal output (“H”: ON)
69	FLAG6	-	N.C.
70	IOSEL	I	Mode Switching Terminal
71	/TEST	I	Test input
72	AVDD1	I	Power supply input (for analog circuit)
73	OUTL	O	Left channel audio signal output
74	AVSS1	I	GND
75	OUTR	O	Right channel audio signal output
76	GIO3	I	Power supply input (for digital circuit)
77	IOVOD	I	5V supply input
78	DIDATA	O	Audio Serial O/P Data
79	DILRCK	O	Audio Serial O/P LR Clock
80	DISCK	O	Audio Serial O/P Bit Clock

- IC703 (AN8739SBE2) Focus Coil/ Tracking Coil/ Traverse Motor/ Spindle Motor Drive

Pin No.	Mark	I/O	Function
1	/RST	-	RESET output terminal
2	NC	-	N.C.
3	IN2	I	Motor drive (2) input
4	PC2	I	Turntable motor drive signal (“L”:ON)
5	NC	-	N.C.
6	IN1	I	Motor drive (1) input
7	NC	I	N.C.
8	PVCC1	I	Power supply (1) for driver
9	PGND1	-	Ground connection (1) for driver
10	NC	-	N.C.
11	D1-	O	Motor driver (1) reverse-action output
12	D1+	O	Motor driver (1) forward-action output
13	D2-	O	Motor driver (2) reverse-action output
14	D2+	O	Motor driver (2) forward-action output
15	D3-	O	Motor driver (3) reverse-action output
16	D3+	O	Motor driver (3) forward-action output
17	D4-	O	Motor drive (4) reverse-action output
18	D4+	O	Motor drive (4) forward-action output
19	NC	-	N.C.
20	PGND2	-	Ground connection (2) for driver
21	PVCC2	I	Power supply (2) for driver
22	NC	-	N.C.
23	VCC	I	Power supply terminal
24	VREF	I	Reference voltage input
25	IN4	I	Motor driver (4) input
26	IN3	I	Motor driver (3) input
27	RSTIN	I	Reset terminal
28	NC	-	N.C.

- IC704 (C1BB00000775) Shock-proof Memory Controller

Pin No.	Mark	I/O	Function
1	VDD2	-	VDD supply pin
2	UC1	Ip/O	Microcontroller interface extension I/O 1
3	UC2	Ip/O	Microcontroller interface extension I/O 2
4	UC3	Ip/O	Microcontroller interface extension I/O 3
5	UC4	Ip/O	Microcontroller interface extension I/O 4
6	UC5	Ip/O	Microcontroller interface extension I/O 5
7	DIT	O	Digital audio interface
8	/TEST	Ip	Test pin
9	CLK	I	16.9344MHz clock input
10	VSS	-	Gnd
11	YSRDATA	I	Audio serial input data
12	YLRCK	I	Audio serial input LR clock
13	YSCK	I	Audio serial input bit clock
14	ZSCK	O	Audio serial output bit clock
15	ZLRCK	O	Audio serial output LR clock
16	ZSRDATA	O	Audio serial output data
17	YFLAG	I	Signal processor IC RAM overflow flag
18	YFCLK	I	Crystal-controller frame clock
19	YBLKCK	I	Subcode block clock signal
20	NRESET	I	System reset pin
21	ZSENSE	O	Microcontroller interface status output
22	VDD1	-	VDD supply pin
23	YDMUTE	I	Forced mute pin
24	YMLD	I	Microcontroller interface latch clock
25	YMDATA	I	Microcontroller interface serial data
26	YMCLK	I	Microcontroller interface shift clock
27	A10 / (/CAS2)	O / O	DRAM address 10 / DRAM2 / CAS control (with 2 DRAMs)
28	/CAS	O	DRAM /CAS control
29	D2	I/O	DRAM data input/output 2

29	D2	I/O	DRAM data input/output 2

Pin No.	Mark	I/O	Function
30	D3	I/O	DRAM data input/output 3
31	D1	I/O	DRAM data input/output 0
32	D0	I/O	DRAM data input/output 1
33	/WE	O	DRAM /WE control
34	/RAS	O	DRAM /RAS control
35	A9	O	DRAM address 9
36	A8	O	DRAM address 8
37	A7	O	DRAM address 7
38	A6	O	DRAM address 6
39	A5	O	DRAM address 5
40	A4	O	DRAM address 4
41	A0	O	DRAM address 0
42	A1	O	DRAM address 1
43	A2	O	DRAM address 2
44	A3	O	DRAM address 3

- IC801 (MN101C57D) Microprocessor

Pin No.	Mark	I/O	Function
1	VLC1	-	LCD BIAS
2	VLC2	-	LCD BIAS
3	VLC3	-	LCD BIAS
4	NC	-	NO CONNECTION
5	NC	-	NO CONNECTION
6	YMCLK	I/O	MCLK for shock proof Memory Controller
7	YMDATA	I/O	MDATA for shock proof Memory Controller
8	YMLD	I/O	MLD for shock proof Memory Controller
9	MBP1	O	Micro-P Beat Proof Control O/P1
10	MBP2	O	Micro-P Beat Proof Control O/P2
11	VSS	-	Gnd
12	Xcin	I	Ceramic OSC Input (8MHz)
13	Xcout	O	Ceramic OSC Output
14	MMOD	I	Microprocessor Mode Set to “L”
15	Xin	I	32.768KHz OSC I/P
16	XOut	O	32.768KHZ OSC O/P

Pin No.	Mark	I/O	Function
17	VDD	-	VDD (+3.3V)
18	RESET	I	Microprocessor Reset
19	VDD	-	VDD (+3.3V)
20	CD_EN	O	CD enable
21	STAT	I	CD Status Input
22	MCLK	O	CD Signal Processor Control Clock Output
23	MDATA	O	CD Signal Processor Control Data Output
24	MLD	O	CD Signal Processor Control Load Output
25	REST_SW	I	CD Limit SW Input at Most Inner Point
26	ZSENSE	I	SENSE signal for Shock Proof Memory Controller
27	PLL_DO	I	PLL IF Count Input / Stereo
28	PLL DA	O	PLL Data Output
29	PLL CLK	O	PLL Clock Output
30	PLL CE	O	PLL Chip Enable Output
31	T_MUTE	O	Tuner Mute
32	CD_RESET	O	Reset Pin
33	BLKCK	I	CD Sub Code Block Clock Input
34	RMT-IN	I	Remote Control Input
35	VCCDET	I	DC Detect Input
36	REG_1	I	Region Setting 1
37	REG_2	I	Region Setting 2
38	REG_3	I	Region Setting 3
39	VDD	-	VDD (+5V)
40	Vref (+)	-	Vref (+5V)
41	KEY1	A/D	Key Input 1
42	KEY2	A/D	Key INput 2
43	BOTTOM_SW	I/O	Close detection
44	TOP_SW	I/O	Open detection
45	N.A.	-	NOT APPLICABLE
46	CRT	A/D	Detection of CR circuit condition
47	PDET	A/D	Power Supply Vol Detect

Pin No.	Mark	I/O	Function
48	SPM_ MODE	A/ D	Shock Proof Memory Mode
49	Vref (-)	-	Vref (-)
50	GCTL	O	CD Gain Control
51	CD_LED	O	Control on the blinking of LED on CD unit
52	ASP_CLK	O	Sound Processor Serial Clock
53	ASP_DAT	O	Sound Processor Serial Data
54	SP_RESET	O	Reset for Shock Proof Memory Controller
55	N.A.	-	NOT APPLICABLE
56	SUBQ	I	CD Sub Q Code Data Input
57	SQCLK	O	CD Sub Q Code Data Clock
58	EDATA	I/O	EEPROM Data
59	ECLK	O	EEPROM Clock
60	ECS	O	EEPROM Chip Select
61	PCONT	O	Power Control Output
62	MUTE_A	I/O	Audio Mute Output
63	CD_OPEN	O	CD Open control output
64	CD_CLOSE	O	CD Close control output
65	SEG31	O	LCD Segment Drive Output
66	SEG30	O	LCD Segment Drive Output
67	SEG29	O	LCD Segment Drive Output
68	SEG28	O	LCD Segment Drive Output
69	SEG27	O	LCD Segment Drive Output
70	SEG26	O	LCD Segment Drive Output
71	SEG25	O	LCD Segment Drive Output
72	SEG24	O	LCD Segment Drive Output
73	SEG23	O	LCD Segment Drive Output
74	SEG22	O	LCD Segment Drive Output
75	SEG21	O	LCD Segment Drive Output
76	SEG20	O	LCD Segment Drive Output
77	SEG19	O	LCD Segment Drive Output
78	SEG18	O	LCD Segment Drive Output
79	SEG17	O	LCD Segment Drive Output
80	SEG16	O	LCD Segment Drive Output
81	SEG15	O	LCD Segment Drive Output
82	SEG14	O	LCD Segment Drive Output
83	SEG13	O	LCD Segment Drive Output
84	SEG12	O	LCD Segment Drive Output
85	SEG11	O	LCD Segment Drive Output

Pin No.	Mark	I/O	Function
86	SEG10	O	LCD Segment Drive Output
87	SEG9	O	LCD Segment Drive Output
88	SEG8	O	LCD Segment Drive Output
89	SEG7	O	LCD Segment Drive Output
90	SEG6	O	LCD Segment Drive Output
91	SEG5	O	LCD Segment Drive Output
92	SEG4	O	LCD Segment Drive Output
93	SEG3	O	LCD Segment Drive Output
94	SEG2	O	LCD Segment Drive Output
95	SEG1	O	LCD Segment Drive Output
96	SEG0	O	LCD Segment Drive Output
97	COM0	O	LCD Common Output
98	COM1	O	LCD Common Output
99	COM2	O	LCD Common Output
100	COM3	O	LCD Common Output

20. Part Location and Replacement Parts List

Notes:

- Important safety notice:
Components identified by ⚠ mark have special characteristics important for safety.
Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.
When replacing any of these components, be sure to use only manufacturers's specified parts shown in the parts list.

- The parenthesized indications in the Remarks column specify the areas or color. (Refer to the cover page for area or color.)
Parts without these indications can be used for all areas.

- Warning: This product uses a laser diode. Refer to caution statements on "Precaution of Laser Diode"

- Capacitor values are in microfarad (μ F) unless specified otherwise, P=Pico-farads(pF); Farads.

- Resistance values are in ohms, unless specified otherwise, 1K= 1,000(ohms).

- The marking (RTL) indicates that the Retention Time is limited for this item. After the discontinuation of this assembly in production,

the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the lows govening part and product retention. After the end of this period, the assembly will no longer be available.

- [M] indicates in the Remarks columns indicates parts that are supplied by PAVCSG.

- The "(SF)" mark denotes the standard part.

- Reference for O/I book languages are as follows:

Ar : Arabic	Cf : Canadian French	Cz : Czech	Da : Danish
Du : Dutch	En : English	Fr : French	Ge : German
It : Italian	Ko : Korean	Po : Polish	Ru : Russian
Sp : Spanish	Sw : Swedish	Co : Traditional Chinese	Cn : Simplified Chi

20.1. Speaker Unit

20.1.1. Connection of the Speaker Cables

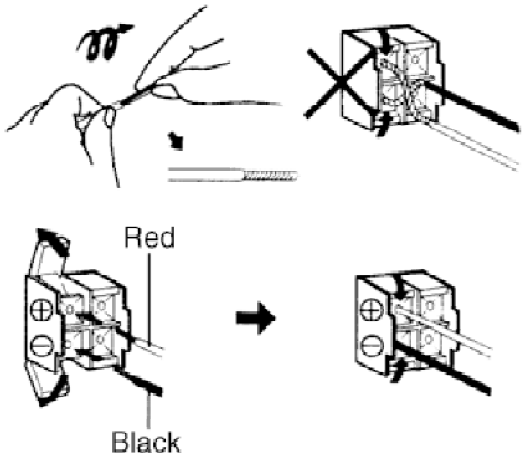
- Be sure to connect speaker cables before connecting the AC power supply cord.

- The load impedance of any speaker used with this unit must be 4 Ω .

- Be sure to connect the cable from the right speaker to the right terminal and the cable from the left speaker to the left terminal.

1. Strip off the outer covering, and twist the center conductor. Make sure the bare ends of the wires are not unravelled. (If they are, twist them tight again.)

2. Insert the wire to the rear panel of the unit and close the lever.

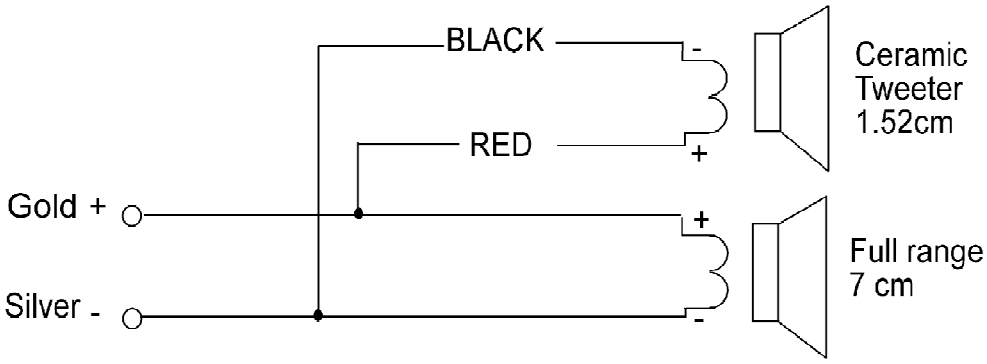


Notes:

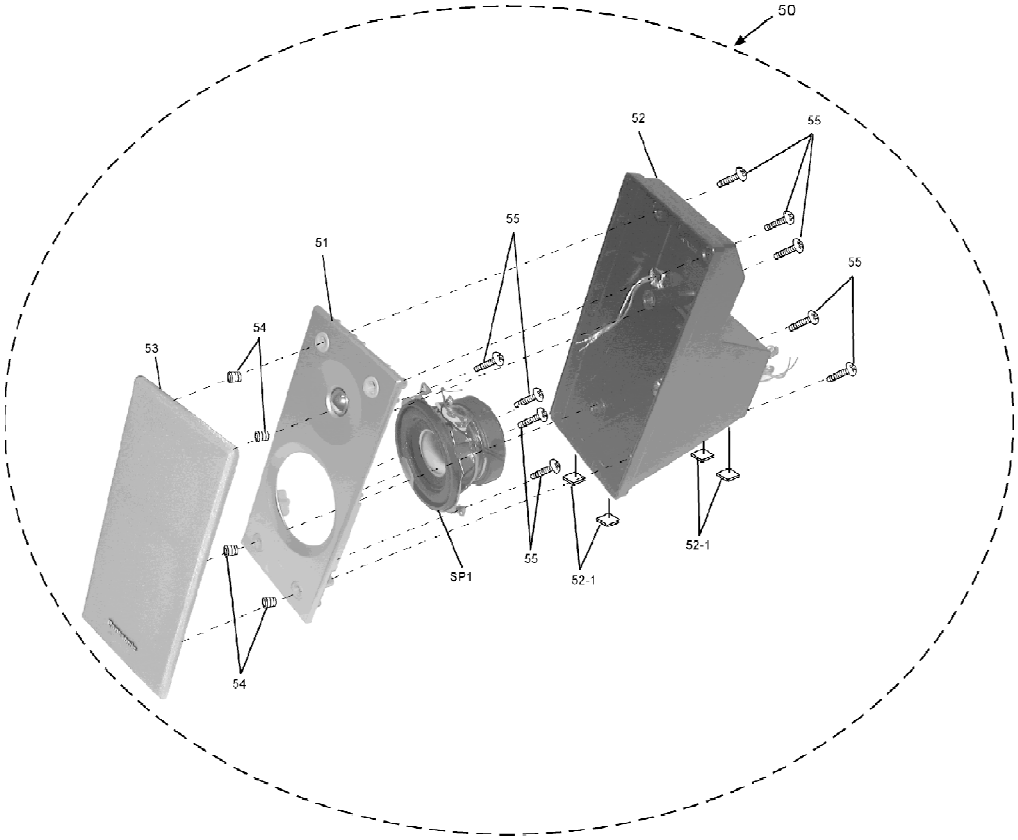
- **To prevent damage to circuitry, never short- circuit positive (+) and negative (-) speaker wires.**

- **Be sure to connect only positive (red) wires to positive (+) terminals and negative (black) wires to negative (-) terminals.**

20.1.2. Schematic Diagram



20.1.3. Cabinet Parts Location

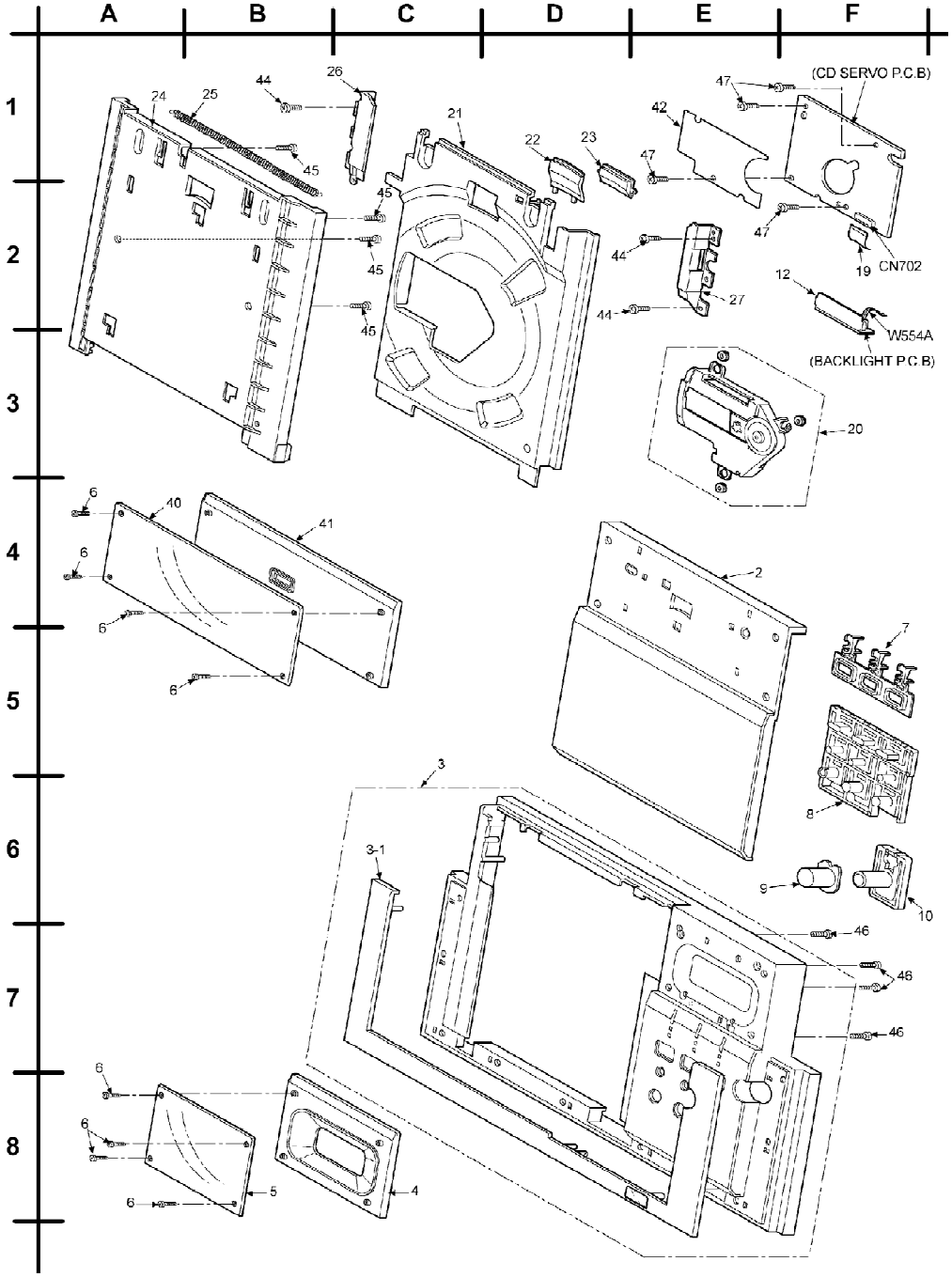


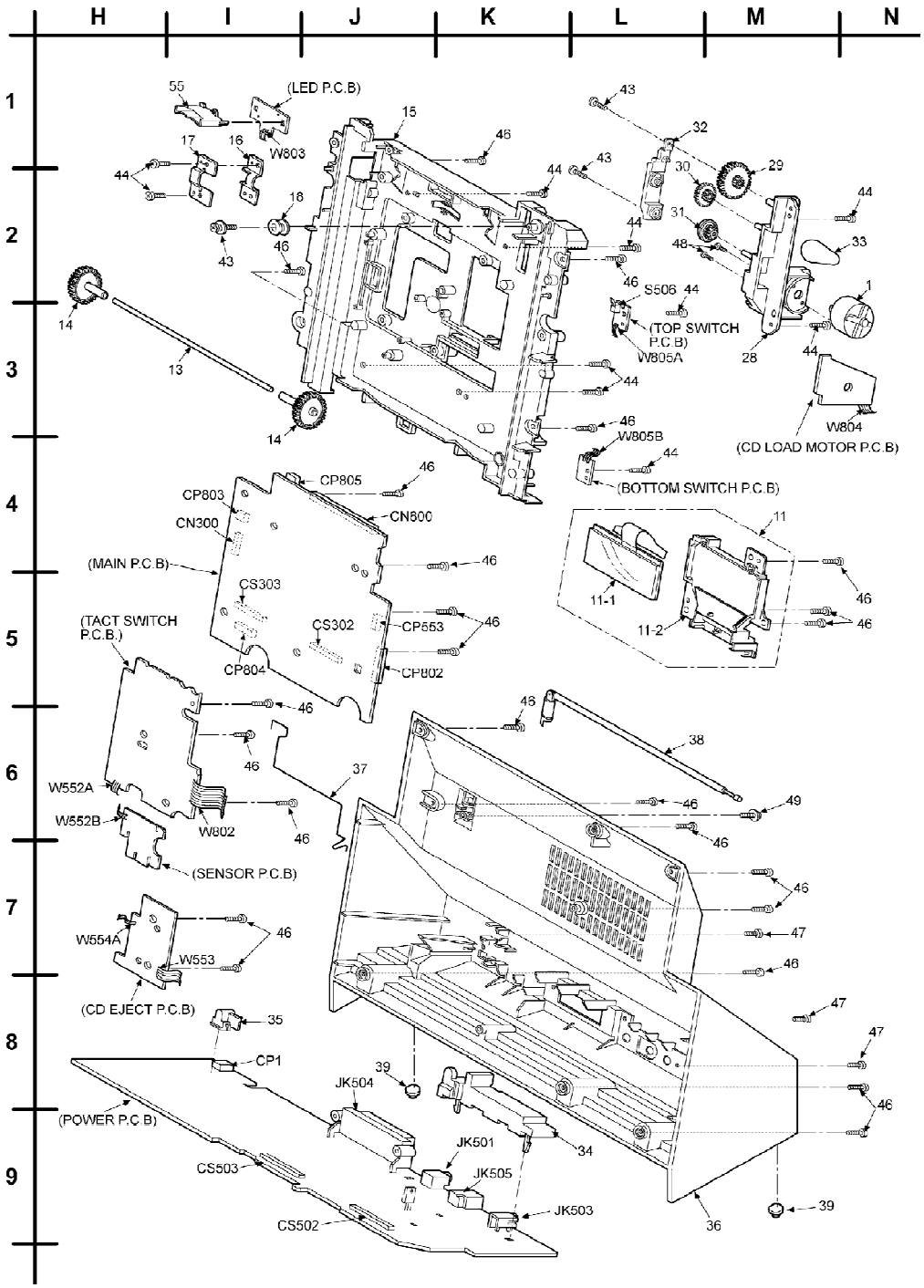
20.1.4. Speaker Part Lists

Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET AND CHASSIS	
50	RFKABEN5PC-S	SPEAKER ASS'Y	[M]
51	RFKGBEN5PC-S	SPEAKER FRONT CABINET	[M]
52	RFKHBEN5PC-S	SPEAKER BACK CABINET	[M]
52-1	RKAX0011-K	LEG FELT	[M]
53	RYBX0030	SPEAKER NET FRAME UNIT	[M]
54	RMG0520-H	CATCHER	[M]
55	XTV3+12G	SCREW	[M]
		SPEAKER	
SP1	L0AA07A00008	SPEAKER	[M]

20.2. Cabinet & CD Loading Mechanism

20.2.1. Cabinet & CD Loading Mechanism Parts Location


A
B
C
D
E
F
1
2
3
4
5
6
7
8
(CD SERVO P.C.B)
CN702
W554A
(BACKLIGHT P.C.B)



20.2.2. Cabinet & CD Loading Mechanism Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET AND CHASSIS	
1	RFKPLPD667PB	MOTOR ASS'Y	[M]
2	RFKLAEN53P-S	CD LID UNIT	[M]
3	RFKGAEN53P-S	FRONT CAB. ASS'Y	[M]
3-1	RGKX0196-K	FRONT CAB. ORNAMENT	[M]
4	RGKX0187-S	LCD ORNAMENT B	[M]
5	RGKX0207-H	LCD ORNAMENT A	[M]
6	RHDX20001-S	ORNAMENT SCREW	[M]
7	RGLX0064-H	LIGHTING PIECE INDICATOR	[M]
8	RFKNAEN5PC-S	OPERATION BUTTON	[M]
9	RGKX0185-H	EJECT BUTTON ORNAMENT	[M]
10	RGUX0516-S	EJECT BUTTON	[M]
11	RYQX0086A	LCD HOLDER BLOCK	[M]
11-1	L5C000000011	LCD	[M]
11-2	RMNX0090-W	LCD HOLDER	[M]
12	RMNX0091	BAKLHT LED HOLDER	[M]
13	RMSX0001	GEAR ROD	[M]
14	RDGX0013	GEAR A	[M]
15	RMKX0073-1	CD CHASSIS	[M]
16	RMNX0099	FRICTION SPRING HOLD	[M]
17	RMCX0024	FRICTION SPRING	[M]
18	RDP0103	ROLLER	[M]
19	REEX0235	FFC WIRE	[M]
20	RAE0243Z-X	TRAVERSE UNIT	[M]
21	RMVX0066A-K	CD COVER	[M]
22	RGLX0061-Q	CD LIGHTING PIECE	[M]
23	RMVX0069	CD LIGHTING COVER	[M]
24	RGQX0011	CD TRAVELLER	[M]
25	RMBX0024	COIL SPRING	[M]
26	RMNX0100	TRAVELLER GUIDE (L)	[M]
27	RMNX0101	TRAVELLER GUIDE (R)	[M]
28	RMNX0089-1	GEAR CHASSIS	[M]
29	RDGX0014	GEAR B	[M]
30	RDGX0016	GEAR D	[M]
31	RDGX0015	GEAR C	[M]
32	RMNX0114-1	GEAR SUPPORT	[M]
33	RMG0268-K	BELT	[M]
34	RMNX0092-K	JACK HOLDER	[M]
35	RMNX0093-W	AM ANTENNA HOLDER	[M]
36	RFKHAEN53P-S	BACK CABINET ASS'Y	[M]
37	RJRX0011	ANTENNA TERMINAL	[M]
38	N1ACF6000002	ANTENNA ROD	[M]
39	RKAX0013	LEG CUSHION	[M]
40	RGKX0208-H	CD LID ORNAMENT A	[M]
41	RGKX0183-S	CD LID ORNAMENT B	[M]
42	RKWX0218-K	PC SHEET	[M]
43	XTBS26+10J	SCREW	[M]
44	XTBS26+12G	SCREW	[M]
45	XTBS26+12JFZ	SCREW	[M]
46	XTV3+12G	REAR CAB SCREW	[M]
47	XTV3+12GFZ	SCREW	[M]
48	XYN26+C6	SCREW	[M]
49	XYN3+F15FY	R. ANT SCREW	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
55	RMNX0102	CD LED HOLDER	[M]

20.3. Electrical Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		PRINTED CIRCUIT BOARD	
	REPX0341A	CD SERVO P.C.B (SIDE A)	[M] (RTL)
	REPX0341A	CD SERVO P.C.B (SIDE B)	[M] (RTL)
	REPX0342D	MAIN P.C.B	[M] (RTL)
	REPX0342D	CD LOAD MOTOR P.C.B	[M] (RTL)
	REPX0342D	LED P.C.B	[M] (RLT)
	REPX0342D	CD EJECT P.C.B	[M] (RTL)
	REPX0342D	BACKLIGHT P.C.B	[M] (RTL)
	REPX0342D	BOTTOM SWITCH P.C.B	[M] (RTL)
	REPX0342D	TOP SWITCH P.C.B	[M] (RTL)
	REPX0342D	SENSOR P.C.B	[M] (RTL)
	REPX0342D	TACT SWITCH P.C.B	[M] (RTL)
	REPX0342D	POWER P.C.B	[M] (RTL)
		INTEGRATED CIRCUITS	
IC1	TA2149FNEL	IC TUNER SMT	[M]
IC2	C1BB00000497	IC PLL	[M]
IC300	BD3883FS	IC A/SOUND PROCESS	[M]
IC302	BA6283N	IC MOTOR DRIVE	[M]
IC501	XC62CP3902TH	IC 3.9V REGULATOR	[M]
IC502	C0AAAA000035	IC POWER	[M]
IC701	AN22003A-NF	IC RF	[M]
IC702	MN662790RSC	IC LSI	[M]
IC703	AN8739SBE2	IC 4CH DRIVER	[M]
IC704	C1BB00000775	IC SHOCK PROOF	[M]
IC705	C3ABMB000027	IC 16M DRAM	[M]
IC706	C0ABAA000068	IC OP-AMP	[M]
IC801	MN101C57D	IC MIRCO-P	[M]
		TRANSISTORS	
Q1	B1GBCFJJ0007	TRANSISTOR	[M]
Q2	2SC3936BTX	TRANSISTOR	[M]
Q3	2SC4081RTX	TRANSISTOR	[M]
Q204	KTD1304TA	TRANSISTOR	[M]
Q302	KTA1272YTA	TRANSISTOR	[M]
Q304	KTA1281YTA	TRANSISTOR	[M]
Q305	KTC3875GRTA	TRANSISTOR	[M]
Q404	KTD1304TA	TRANSISTOR	[M]
Q501	KTA1281YTA	TRANSISTOR	[M]
Q502	KTD1304TA	TRANSISTOR	[M]
Q503	KRA110MTA	TRANSISTOR	[M]
Q504	KTA1046	TRANSISTOR	[M]
Q505	KTC3875GRTA	TRANSISTOR	[M]
Q506	KTA1281YTA	TRANSISTOR	[M]
Q507	KTC3875GRTA	TRANSISTOR	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
Q508	KTC3202YTA	TRANSISTOR	[M]
Q510	KRC102STA	TRANSISTOR	[M]
Q514	DTA114EUA106	TRANSISTOR	[M]
Q522	KTC3875GRTA	TRANSISTOR	[M]
Q529	KTC3875GRTA	TRANSISTOR	[M]
Q701	B1ADCF000001	TRANSISTOR	[M]
Q801	KTC3875GRTA	TRANSISTOR	[M]
Q802	KTC3875GRTA	TRANSISTOR	[M]
Q803	KRC103STA	TRANSISTOR	[M]
Q804	KRC102STA	TRANSISTOR	[M]
		DIODES	
D1	SVC383T-TL	DIODE	[M]
D2	KV1460TL1-3	DIODE	[M]
D3	KV1460TL1-3	DIODE	[M]
D5	B0AACK000004	DIODE	[M]
D301	B0ACCK000005	DIODE	[M]
D302	B0ACCK000005	DIODE	[M]
D303	B0ACCK000005	DIODE	[M]
D501	RL1N4003S-P	DIODE	[M]
D502	B0BA9R900005	DIODE	[M]
D503	B0BA5R000004	DIODE	[M]
D504	B0AACK000004	DIODE	[M]
D505	B0AACK000004	DIODE	[M]
D506	B0BA8R700009	DIODE	[M]
D507	B0ACCK000005	DIODE	[M]
D508	RL1N4003S-P	DIODE	[M]
D509	RL1N4003S-P	DIODE	[M]
D510	B0BA6R800007	DIODE	[M]
D511	B0ACCK000005	DIODE	[M]
D512	MTZJ3R3BTA	DIODE	[M]
D522	B0ACCK000005	DIODE	[M]
D529	B0BA7R900004	DIODE	[M]
D530	B0BA6R100003	DIODE	[M]
D531	B0BA6R100003	DIODE	[M]
D532	B0ACCK000005	DIODE	[M]
D550	B0BA5R000004	DIODE	[M]
D553	SLR325MCT31W	DIODE	[M]
D554	SLR325MCT31W	DIODE	[M]
D555	SLR325MCT31W	DIODE	[M]
D556	LNJ498CK4AA	DIODE	[M]
D557	LNJ498CK4AA	DIODE	[M]
D558	SLR-305VC	DIODE	[M]
D562	B3ADA0000129	DIODE	[M]
D563	SLR325MCT31W	DIODE	[M]
D564	SLR325MCT31W	DIODE	[M]
D565	SLR325MCT31W	DIODE	[M]
D585	B0BC8R100004	DIODE	[M]
D586	B0BC8R100004	DIODE	[M]
D599	B0JCME000012	DIODE	[M]
D800	MA729TX	DIODE	[M]
D801	B0ACCK000005	DIODE	[M]
D899	B0ACCK000005	DIODE	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
		SWITCHES	
S505	K0L1CA000002	SW BOTTOM DETECT	[M]
S506	K0L1CA000002	SW TOP DETECT	[M]
S550	EVQPAD05R	SW CD EJECT	[M]
S551	EVQPAD05R	CD VOLUME -	[M]
S552	EVQPAD05R	CD VOLUME +	[M]
S553	EVQPAD05R	SW CD PLAY	[M]
S554	EVQPAD05R	SW TUNER/BAND	[M]
S556	EVQPAD05R	SW FF/+	[M]
S558	EVQPAD05R	SW REW/-	[M]
S559	EVQPAD05R	SW AUX	[M]
S560	EVQPAD05R	SW TUNER	[M]
S561	EVQPAD05R	POWER	[M]
		CONNECTORS	
CN300	RJS2A5722	22P FFC CONNECTOR	[M]
CN701	K1MN24B00093	24P FPC CONNECTOR	[M]
CN702	RJS2A5722	22P FFC CONNECTOR	[M]
CN800	RJS1A9336-1	36P FFC CONNECTOR	[M]
CP1	K1KA02B00047	2P CONNECTOR	[M]
CP553	K1KA04A00105	4P CONNECTOR	[M]
CP802	K1KA09B00024	9P CONNECTOR	[M]
CP803	K1KA02B00047	2P CONNECTOR	[M]
CP804	K1KA05A00084	5P CONNECTOR	[M]
CP805	K1KA04B00058	4P CONNECTOR	[M]
CS302	RJT100W14	14P BTB CONNECTOR	[M]
CS303	RJT100W14	14P BTB CONNECTOR	[M]
CS502	RJU100W14	14P BTB CONNECTOR	[M]
CS503	RJU100W14	14P BTB CONNECTOR	[M]
		COILS	
L1	RLQY30S1W-F	FM COIL	[M]
L3	RLA2B011-C	AM RF COIL	[M]
L4	G0ZZ00002174	FM OSC COIL	[M]
L6	RL02B138	COIL	[M]
L7	RLQA101KT-G	INDUCTOR	[M]
L10	RLQAR22KT-G	INDUCTOR	[M]
L312	RLL500050T-Y	RF CHOKE COIL	[M]
L313	RLL500050T-Y	RF CHOKE COIL	[M]
L314	RLL500050T-Y	RF CHOKE COIL	[M]
L800	RLQB3R3KT-1Y	COIL	[M]
L801	RLQA100KT-G	COIL	[M]
L802	RLQA100KT-G	COIL	[M]
L803	RLQA2R2KT-G	INDUCTOR	[M]
L804	RLQA2R2KT-G	INDUCTOR	[M]
L826	RLL500050T-Y	COIL	[M]
T1	RLI2B017-C	AM IFT	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
T2	RLI4B026-C	AM IFT	[M]
		COMPONENT COMBINATIO	
Z1	RCRBWT003-H	FM BPF	[M]
Z550	B3RAB0000029	REMOTE SENSOR	[M]
		CERAMIC FILTERS	
CF1	J0B1075A0101	FM CERAMIC FILTER	[M]
CF2	J0B1075A0101	FM CERAMIC FILTER	[M]
CF3	RLFDFT26AT	CERAMIC FILTER	[M]
		OSCILLATORS	
X3	RSXD7M20C01	CRYSTAL OSCILLATOR	[M]
X701	H2B169500002	RESONATOR	[M]
X801	H2A800400006	RES0NATOR	[M]
X802	RSXD32K7S02	CRYSTAL OSCILLATOR	[M]
		FUSE PROTECTOR	
FP501	K5G252AA0002	FUSE PROTECTOR	[M] ⚠
		JACKS	
JK501	RJJ37TK09	JK PHONE	[M]
JK503	K2HC103B0149	JK AUX	[M]
JK504	K4BC04B00055	JK SPEAKER	[M]
JK505	K2ED2B000007	JK DC	[M] ⚠
		WIRES	
W552	RWJ9003060SS	REMOTE SENSOR-PANEL	[M]
W553	REXX0336	EJECT BTN TO MAIN	[M]
W554	RWJ9002060SS	EJECT BTN TO BAKLHT	[M]
W802	REXX0334-1	PANEL TO MAIN	[M]
W803	REXX0335	CD LIGHT TO MAIN	[M]
W804	REXX0332	MOTOR TO MAIN	[M]
W805	REXX0333	LEAF SW. TO MAIN	[M]
		RESISTORS	
R2	ERJ3GEYJ103V	10K 1/16W	[M]
R3	D0GB332JA002	3.3K 1/16W	[M]
R4	ERJ3GEYJ471V	470 1/16W	[M]
R5	ERJ3GEYJ104V	100K 1/16W	[M]
R6	ERJ3GEYJ104V	100K 1/16W	[M]
R8	ERJ3GEYJ104V	100K 1/16W	[M]
R9	ERJ3GEYJ104V	100K 1/16W	[M]
R10	D0GB474JA002	470K 1/16W	[M]
R11	D0GB332JA002	3.3K 1/16W	[M]
R12	ERJ3GEYJ103V	10K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R15	ERJ3GEYJ330V	33 1/16W	[M]
R16	ERJ3GEYJ104V	100K 1/16W	[M]
R17	ERJ3GEYJ222V	2.2K 1/16W	[M]
R18	D0GB331JA002	330 1/16W	[M]
R19	D0GB101JA002	100 1/16W	[M]
R20	ERJ3GEYJ223V	22K 1/16W	[M]
R21	ERJ3GEYJ103V	10K 1/16W	[M]
R22	ERJ3GEYJ102V	1K 1/16W	[M]
R23	ERJ3GEYJ223V	22K 1/16W	[M]
R24	ERJ3GEYJ103V	10K 1/16W	[M]
R25	ERJ3GEYJ223V	22K 1/16W	[M]
R26	ERJ3GEYJ103V	10K 1/16W	[M]
R27	D0GB332JA002	3.3K 1/16W	[M]
R28	ERJ3GEYJ223V	22K 1/16W	[M]
R29	ERJ3GEYJ103V	10K 1/16W	[M]
R30	ERJ3GEYJ472V	4.7K 1/16W	[M]
R31	ERJ3GEYJ222V	2.2K 1/16W	[M]
R32	ERJ3GEYJ471V	470 1/16W	[M]
R33	D0GB560JA002	56 1/16W	[M]
R34	ERJ3GEYJ104V	100K 1/16W	[M]
R36	D0GB152JA002	1.5K 1/16W	[M]
R37	D0GB220JA002	22 1/16W	[M]
R99	ERDS2TJ470T	47 1/4W	[M]
R200	D0GB393JA002	39K 1/16W	[M]
R201	ERJ3GEYJ682V	6.8K 1/16W	[M]
R202	ERJ3GEYJ473V	47K 1/16W	[M]
R203	D0GB562JA002	5.6K 1/16W	[M]
R208	ERJ3GEYJ103V	10K 1/16W	[M]
R209	ERJ3GEYJ472V	4.7K 1/16W	[M]
R210	ERJ3GEYJ223V	22K 1/16W	[M]
R211	D0GB154JA002	150K 1/16W	[M]
R213	ERJ3GEYJ222V	2.2K 1/16W	[M]
R214	ERJ3GEYJ472V	4.7K 1/16W	[M]
R219	ERJ3GEYJ102V	1K 1/16W	[M]
R223	D0GB562JA002	5.6K 1/16W	[M]
R224	ERJ3GEYJ223V	22K 1/16W	[M]
R230	ERJ3GEYJ221V	220 1/16W	[M]
R301	ERJ3GEYJ222V	2.2K 1/16W	[M]
R302	ERJ3GEYJ222V	2.2K 1/16W	[M]
R317	ERJ3GEYJ103V	10K 1/16W	[M]
R318	ERD25FVJ100T	10 1/4W	[M]
R319	ERDS1FVJ150T	15 1/2W	[M]
R320	ERJ3GEYJ103V	10K 1/16W	[M]
R321	D0GB122JA019	1.2K 1/16W	[M]
R322	D0GB331JA002	330 1/16W	[M]
R400	D0GB393JA002	39K 1/16W	[M]
R401	ERJ3GEYJ682V	6.8K 1/16W	[M]
R402	ERJ3GEYJ473V	47K 1/16W	[M]
R403	D0GB562JA002	5.6K 1/16W	[M]
R408	ERJ3GEYJ103V	10K 1/16W	[M]
R409	ERJ3GEYJ472V	4.7K 1/16W	[M]
R410	ERJ3GEYJ223V	22K 1/16W	[M]
R411	D0GB154JA002	150K 1/16W	[M]
R413	ERJ3GEYJ222V	2.2K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R414	ERJ3GEYJ472V	4.7K 1/16W	[M]
R419	ERJ3GEYJ102V	1K 1/16W	[M]
R423	D0GB562JA002	5.6K 1/16W	[M]
R424	ERJ3GEYJ223V	22K 1/16W	[M]
R430	ERJ3GEYJ221V	220 1/16W	[M]
R500	ERD2FCVG220T	22 1/4W	[M]
R501	D0GB273JA002	27K 1/16W	[M]
R503	D0GB272JA002	2.7K 1/16W	[M]
R504	ERJ6GEYJ181V	180 1/10W	[M]
R505	ERJ3GEYJ103V	10K 1/16W	[M]
R506	ERJ6GEYJ222V	2.2K 1/10W	[M]
R507	ERJ6GEYJ181V	180 1/10W	[M]
R508	ERJ6GEYJ181V	180 1/10W	[M]
R509	ERDS1FVJ2R2T	2.2 1/2W	[M]
R510	ERDS1FVJ2R2T	2.2 1/2W	[M]
R511	ERDS1FVJ2R2T	2.2 1/2W	[M]
R512	ERJ3GEYJ103V	10K 1/16W	[M]
R513	ERJ6GEYJ102V	1K 1/10W	[M]
R514	D0GB331JA002	330 1/16W	[M]
R515	ERJ3GEYJ103V	10K 1/16W	[M]
R516	ERJ3GEYJ681V	680 1/16W	[M]
R517	ERJ6GEYJ222V	2.2K 1/10W	[M]
R518	ERJ6GEYJ222V	2.2K 1/10W	[M]
R519	ERJ6GEYJ102V	1K 1/10W	[M]
R520	ERJ3GEYJ222V	2.2K 1/16W	[M]
R521	D0GB101JA002	100 1/16W	[M]
R522	ERJ6GEYJ472V	4.7K 1/10W	[M]
R529	D0GB331JA002	330 1/16W	[M]
R530	ERJ3GEYJ220V	22 1/16W	[M]
R531	ERJ3GEYJ220V	22 1/16W	[M]
R532	ERJ3GEYJ681V	680 1/16W	[M]
R543	ERJ3GEYJ103V	10K 1/16W	[M]
R544	D0GB332JA002	3.3K 1/16W	[M]
R545	ERJ3GEYJ102V	1K 1/16W	[M]
R546	D0GB333JA002	33K 1/16W	[M]
R550	ERJ3GEYJ470V	47 1/16W	[M]
R556	D0GB152JA002	1.5K 1/16W	[M]
R557	ERJ3GEYJ222V	2.2K 1/16W	[M]
R558	D0GB272JA002	2.7K 1/16W	[M]
R559	D0GB392JA002	3.9K 1/16W	[M]
R562	D0GB562JA002	5.6K 1/16W	[M]
R563	D0GB272JA002	2.7K 1/16W	[M]
R564	ERJ3GEYJ222V	2.2K 1/16W	[M]
R565	D0GB152JA002	1.5K 1/16W	[M]
R573	ERJ3GEYJ471V	470 1/16W	[M]
R578	ERJ3GEYJ102V	1K 1/16W	[M]
R579	ERJ3GEYJ680V	68 1/16W	[M]
R580	ERJ3GEYJ102V	1K 1/16W	[M]
R581	ERJ3GEYJ330V	33 1/16W	[M]
R582	D0GB271JA002	270 1/16W	[M]
R583	ERJ3GEYJ330V	33 1/16W	[M]
R585	D0GB271JA002	270 1/16W	[M]
R586	ERJ3GEYJ331V	330 1/16W	[M]
R587	ERJ3GEYJ331V	330 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R701	D0GB4R7JA008	4.7 1/16W	[M]
R702	D0GB332JA002	3.3K 1/16W	[M]
R703	ERJ3GEYJ5R6V	5.6 1/16W	[M]
R704	ERJ3GEYJ102V	1K 1/16W	[M]
R705	D0GB333JA002	33K 1/16W	[M]
R706	ERJ3GEYJ102V	1K 1/16W	[M]
R707	ERJ3GEYJ104V	100K 1/16W	[M]
R708	ERJ3GEYJ104V	100K 1/16W	[M]
R709	ERJ3GEYJ473V	47K 1/16W	[M]
R710	D0GB100JA002	10 1/16W	[M]
R711	ERJ3GEYJ823V	82K 1/16W	[M]
R712	ERJ3GEYJ221V	220 1/16W	[M]
R713	D0GB100JA002	10 1/16W	[M]
R714	ERJ3GEY0R00V	0 1/16W	[M]
R715	ERJ3GEYJ182V	1.8K 1/16W	[M]
R716	D0GB100JA002	10 1/16W	[M]
R717	ERJ3GEYJ102V	1K 1/16W	[M]
R718	ERJ3GEYJ102V	1K 1/16W	[M]
R719	D0GB100JA002	10 1/16W	[M]
R720	D0GB100JA002	10 1/16W	[M]
R721	D0GB101JA002	100 1/16W	[M]
R722	D0GB100JA002	10 1/16W	[M]
R723	D0GB333JA002	33K 1/16W	[M]
R724	D0GB393JA002	39K 1/16W	[M]
R725	ERJ3GEYJ152V	1.5K 1/16W	[M]
R726	ERJ3GEYJ102V	1K 1/16W	[M]
R727	D0GB273JA002	27K 1/16W	[M]
R728	D0GB183JA002	18K 1/16W	[M]
R729	D0GB183JA002	18K 1/16W	[M]
R730	ERJ3GEY0R00V	0 1/16W	[M]
R731	D0GB333JA002	33K 1/16W	[M]
R732	D0GB100JA002	10 1/16W	[M]
R733	ERJ3GEYJ471V	470 1/16W	[M]
R734	ERJ3GEYJ471V	470 1/16W	[M]
R735	D0GB101JA002	100 1/16W	[M]
R736	D0GB101JA002	100 1/16W	[M]
R737	ERJ3GEYJ471V	470 1/16W	[M]
R738	ERJ3GEYJ471V	470 1/16W	[M]
R739	ERJ3GEYJ471V	470 1/16W	[M]
R740	ERJ3GEYJ471V	470 1/16W	[M]
R741	ERJ3GEYJ473V	47K 1/16W	[M]
R742	ERJ3GEYJ224V	220K 1/16W	[M]
R743	ERJ3GEYJ471V	470 1/16W	[M]
R744	D0GB333JA002	33K 1/16W	[M]
R745	ERJ3GEY0R00V	0 1/16W	[M]
R747	ERJ3GEY0R00V	0 1/16W	[M]
R748	ERJ3GEY0R00V	0 1/16W	[M]
R749	D0GB273JA002	27K 1/16W	[M]
R750	ERJ3GEYJ5R6V	5.6 1/16W	[M]
R751	ERJ3GEYJ102V	1K 1/16W	[M]
R752	ERJ3GEYJ102V	1K 1/16W	[M]
R753	D0GB100JA002	10 1/16W	[M]
R754	D0GB100JA002	10 1/16W	[M]
R755	D0GB100JA002	10 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R756	D0GB100JA002	10 1/16W	[M]
R757	ERJ3GEYJ102V	1K 1/16W	[M]
R762	ERJ3GEY0R00V	0 1/16W	[M]
R763	ERJ3GEY0R00V	0 1/16W	[M]
R764	ERJ3GEY0R00V	0 1/16W	[M]
R767	ERJ3GEYJ470V	47 1/16W	[M]
R768	ERJ3GEYJ470V	47 1/16W	[M]
R769	ERJ3GEYJ470V	47 1/16W	[M]
R770	ERJ3GEYJ470V	47 1/16W	[M]
R771	ERJ3GEYJ472V	4.7K 1/16W	[M]
R773	ERJ3GEYJ103V	10K 1/16W	[M]
R774	ERJ3GEYJ104V	100K 1/16W	[M]
R776	ERJ3GEY0R00V	0 1/16W	[M]
R777	ERJ3GEY0R00V	0 1/16W	[M]
R778	ERJ3GEY0R00V	0 1/16W	[M]
R781	ERJ3GEYJ102V	1K 1/16W	[M]
R782	ERJ3GEYJ102V	1K 1/16W	[M]
R783	ERJ3GEYJ102V	1K 1/16W	[M]
R784	ERJ3GEYJ221V	220 1/16W	[M]
R786	ERJ3GEYJ471V	470 1/16W	[M]
R787	ERJ3GEYJ471V	470 1/16W	[M]
R788	ERJ3GEYJ471V	470 1/16W	[M]
R789	ERJ3GEYJ471V	470 1/16W	[M]
R790	ERJ3GEYJ471V	470 1/16W	[M]
R791	ERJ3GEYJ471V	470 1/16W	[M]
R792	ERJ3GEYJ471V	470 1/16W	[M]
R793	ERJ3GEYJ471V	470 1/16W	[M]
R794	ERJ3GEYJ471V	470 1/16W	[M]
R795	ERJ3GEYJ471V	470 1/16W	[M]
R796	ERJ3GEYJ471V	470 1/16W	[M]
R797	D0GB100JA002	10 1/16W	[M]
R799	D0GB100JA002	10 1/16W	[M]
R802	D0GB154JA002	150K 1/16W	[M]
R803	D0GB154JA002	150K 1/16W	[M]
R804	D0GB154JA002	150K 1/16W	[M]
R805	ERJ3GEYJ102V	1K 1/16W	[M]
R806	ERJ3GEYJ473V	47K 1/16W	[M]
R807	ERJ3GEYJ681V	680 1/16W	[M]
R808	D0GB183JA002	18K 1/16W	[M]
R809	ERJ3GEYJ103V	10K 1/16W	[M]
R810	ERJ3GEYJ103V	10K 1/16W	[M]
R815	ERJ3GEYJ472V	4.7K 1/16W	[M]
R816	ERJ3GEYJ472V	4.7K 1/16W	[M]
R817	ERJ3GEYJ473V	47K 1/16W	[M]
R818	ERJ3GEYJ153V	15K 1/16W	[M]
R819	ERJ3GEYJ153V	15K 1/16W	[M]
R820	ERJ3GEYJ473V	47K 1/16W	[M]
R824	D0GB334JA002	330K 1/16W	[M]
R825	D0GB334JA002	330K 1/16W	[M]
R830	ERJ3GEYJ223V	22K 1/16W	[M]
R831	ERJ3GEYJ104V	100K 1/16W	[M]
R832	ERJ3GEYJ472V	4.7K 1/16W	[M]
R833	ERJ3GEY0R00V	0 1/10W	[M]
R834	D0GB334JA002	330K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R835	D0GB332JA002	3.3K 1/16W	[M]
R836	D0GB332JA002	3.3K 1/16W	[M]
R837	ERJ3GEYJ102V	1K 1/16W	[M]
R838	ERJ3GEY0R00V	0 1/16W	[M]
R840	ERJ3GEYJ102V	1K 1/16W	[M]
R841	ERJ3GEYJ102V	1K 1/16W	[M]
R842	ERJ3GEYJ102V	1K 1/16W	[M]
R843	ERJ3GEYJ102V	1K 1/16W	[M]
R844	ERJ3GEYJ102V	1K 1/16W	[M]
R845	ERJ3GEYJ102V	1K 1/16W	[M]
R846	ERJ3GEYJ102V	1K 1/16W	[M]
R847	ERJ3GEYJ102V	1K 1/16W	[M]
R848	ERJ3GEYJ102V	1K 1/16W	[M]
R849	ERJ3GEYJ102V	1K 1/16W	[M]
R850	ERJ3GEYJ102V	1K 1/16W	[M]
R851	ERJ3GEYJ102V	1K 1/16W	[M]
R852	ERJ3GEYJ102V	1K 1/16W	[M]
R853	ERJ3GEYJ102V	1K 1/16W	[M]
R854	ERJ3GEYJ223V	22K 1/16W	[M]
R855	ERJ3GEYJ223V	22K 1/16W	[M]
R856	ERJ3GEYJ223V	22K 1/16W	[M]
R857	ERJ3GEYJ223V	22K 1/16W	[M]
R858	ERJ3GEYJ223V	22K 1/16W	[M]
R859	ERJ3GEY0R00V	0 1/16W	[M]
R860	ERJ3GEY0R00V	0 1/16W	[M]
R861	ERJ3GEY0R00V	0 1/16W	[M]
R864	ERJ3GEYJ223V	22K 1/16W	[M]
R865	ERJ3GEYJ223V	22K 1/16W	[M]
R866	ERJ3GEYJ223V	22K 1/16W	[M]
R867	ERJ3GEYJ223V	22K 1/16W	[M]
R868	ERJ3GEYJ223V	22K 1/16W	[M]
R872	ERJ3GEYJ223V	22K 1/16W	[M]
R873	ERJ3GEYJ223V	22K 1/16W	[M]
R874	ERJ3GEYJ223V	22K 1/16W	[M]
R899	ERJ3GEYJ224V	220K 1/16W	[M]
		CAPACITORS	
C3	ECBT1H223KB5	0.022 50V	[M]
C4	ECBT1H102KB5	1000P 50V	[M]
C5	ECBT1H2R2KC5	2.2P 50V	[M]
C6	ECJ1VB1H102K	1000P 50V	[M]
C7	ECBT1H150JC5	15P 50V	[M]
C8	ECBT1H102KB5	1000P 50V	[M]
C9	ECJ1VB1H102K	1000P 50V	[M]
C10	ECBT1H3R9KC5	3.9P 50V	[M]
C11	ECJ1VB1E103K	0.01 25V	[M]
C12	ECJ1VB1H331K	330 50V	[M]
C13	ECA1EM100BV	10 25V	[M]
C14	ECBT1H102KB5	1000P 50V	[M]
C15	ECUV1C104KBV	0.1 16V	[M]
C16	ECA1HM010BV	1 50V	[M]
C17	ECUV1C104KBV	0.1 16V	[M]
C18	ECUV1E183KBV	0.018 25V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C19	ECUV1E183KBV	0.018 25V	[M]
C20	ECA1HM010BV	1 50V	[M]
C21	ECA1HM010BV	1 50V	[M]
C22	ECA1HMR47BV	0.47 50V	[M]
C23	ECBT1H333KB5	0.033 50V	[M]
C24	ECBT1H333KB5	0.033 50V	[M]
C25	ECBT1H5R6KC5	5.6P 50V	[M]
C26	ECA1HM4R7BV	4.7 50V	[M]
C27	ECJ1VB1H102K	1000P 50V	[M]
C28	ECJ1VB1H102K	1000P 50V	[M]
C30	ECJ1VB1H331K	330 50V	[M]
C31	ECBT1H103KB5	0.01 50V	[M]
C32	ECJ1VB1H102K	1000P 50V	[M]
C33	ECBT1H102KB5	1000P 50V	[M]
C34	ECBT1H102KB5	1000P 50V	[M]
C35	ECA1CM101BV	100 16V	[M]
C36	ECA1CM101BV	100 16V	[M]
C37	ECBT1H103KB5	0.01 50V	[M]
C38	ECJ1VC1H101K	100P 50V	[M]
C39	ECBT1H120JC5	12P 50V	[M]
C40	ECBT1C222KR5	2200P 16V	[M]
C41	ECJ1VC1H101K	100P 50V	[M]
C42	ECBT1H180JC5	18P 50V	[M]
C43	ECJ1VC1H101K	100P 50V	[M]
C44	ECA1HM2R2BV	2.2 50V	[M]
C45	ECJ1VB1H102K	1000P 50V	[M]
C47	ECJ1VB1C223K	0.022 16V	[M]
C48	ECA1AM221BV	220 10V	[M]
C49	ECJ1VB1H102K	1000P 50V	[M]
C50	ECBT1H102KB5	1000P 50V	[M]
C51	ECBT1H333KB5	0.033 50V	[M]
C54	ECBT1H102KB5	1000P 50V	[M]
C55	ECA1HMR47BV	0.47 50V	[M]
C56	ECBT1H102KB5	1000P 50V	[M]
C57	ECBT1H680J5	68P 50V	[M]
C58	ECJ1VB1H102K	1000P 50V	[M]
C62	ECJ1VB1H102K	1000P 50V	[M]
C201	ECA1HM4R7BV	4.7 50V	[M]
C202	ECA1HM4R7BV	4.7 50V	[M]
C203	ECA1HM4R7BV	4.7 50V	[M]
C205	ECUV1H683KBV	0.068 50V	[M]
C206	ECJ1VB1C823K	0.082 16V	[M]
C207	ECUV1C473KBV	0.047 16V	[M]
C208	ECA1HM0R1BV	0.1 50V	[M]
C209	ECJ1VB1E103K	0.01 25V	[M]
C210	ECJ1VB1E103K	0.01 25V	[M]
C211	ECJ1VB1H102K	1000P 50V	[M]
C212	ECJ1VB1H102K	1000P 50V	[M]
C213	ECJ1VB1H102K	1000P 50V	[M]
C215	ECA1HMR22BV	0.22 50V	[M]
C216	ECJ1VB1H102K	1000P 50V	[M]
C217	ECUV1C473KBV	0.047 16V	[M]
C226	ECJ1VB1H222K	2200P 50V	[M]
C230	ECA1HM010BV	1 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C231	ECJ1VB1H471K	470 50V	[M]
C232	ECA1CM102E	1000 16V	[M]
C300	ECA1CM101BV	100 16V	[M]
C301	ECA1CM100BV	10 16V	[M]
C302	ECA1HMR33BV	0.33 50V	[M]
C303	ECJ1VC1H101K	100P 50V	[M]
C304	ECJ1VC1H101K	100P 50V	[M]
C311	ECJ1VB1E103K	0.01 25V	[M]
C312	ECA1CM221B	220 16V	[M]
C313	ECUV1C104KBV	0.1 16V	[M]
C314	ECUV1C104KBV	0.1 16V	[M]
C316	ECUV1C474ZFN	0.47 16V	[M]
C317	ECA1CM330BV	33 16V	[M]
C318	ECUV1C104KBV	0.1 16V	[M]
C401	ECA1HM4R7BV	4.7 50V	[M]
C402	ECA1HM4R7BV	4.7 50V	[M]
C403	ECA1HM4R7BV	4.7 50V	[M]
C405	ECUV1H683KBV	0.068 50V	[M]
C406	ECJ1VB1C823K	0.082 16V	[M]
C407	ECUV1C473KBV	0.047 16V	[M]
C408	ECA1HM0R1BV	0.1 50V	[M]
C409	ECJ1VB1E103K	0.01 25V	[M]
C410	ECJ1VB1E103K	0.01 25V	[M]
C411	ECJ1VB1H102K	1000P 50V	[M]
C412	ECJ1VB1H102K	1000P 50V	[M]
C413	ECJ1VB1H102K	1000P 50V	[M]
C415	ECA1HMR22BV	0.22 50V	[M]
C416	ECJ1VB1H102K	1000P 50V	[M]
C417	ECUV1C473KBV	0.047 16V	[M]
C426	ECJ1VB1H222K	2200P 50V	[M]
C430	ECA1HM010BV	1 50V	[M]
C431	ECJ1VB1H471K	470 50V	[M]
C432	ECA1CM102B	1000 16V	[M]
C501	ECEA1EKA101B	100 25V	[M]
C502	ECJ1VB1H102K	1000P 50V	[M]
C503	ECA1CM101BV	100 16V	[M]
C504	ECA1CM330BV	33 16V	[M]
C505	ECJ1VB1E103K	0.01 25V	[M]
C506	ECJ1VB1E103K	0.01 25V	[M]
C507	ECA1CM330BV	33 16V	[M]
C508	ECJ1VB1H102K	1000P 50V	[M]
C509	ECJ1VB1H102K	1000P 50V	[M]
C510	ECA1EM332B	3300 25V	[M]
C529	ECA1CM330BV	33 16V	[M]
C531	ECA1EM470BV	47 25V	[M]
C533	ECA1HM4R7BV	4.7 50V	[M]
C534	ECA1CM220BV	22 16V	[M]
C550	ECUV1C104KBV	0.1 16V	[M]
C551	ECEA1HKA100B	10 50V	[M]
C701	ECEA0JKA330I	33 6.3V	[M]
C702	ECUV1C104KBV	0.1 16V	[M]
C703	ECEA0JKA101I	100 6.3V	[M]
C704	ECUV1C104KBV	0.1 16V	[M]
C706	ECUV1C104KBV	0.1 16V	[M]

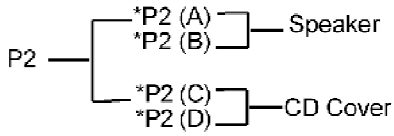
Ref. No.	Part No.	Part Name & Description	Remarks
C707	ECUV1H223KBV	0.022 50V	[M]
C708	ECUV1C104KBV	0.1 16V	[M]
C710	ECJ1VB1H471K	470 50V	[M]
C711	ECJ1VB1H272K	2700P 50V	[M]
C712	ECJ1VB1H272K	2700P 50V	[M]
C713	ECUV1C104KBV	0.1 16V	[M]
C714	ECEA0JKA101I	100 6.3V	[M]
C715	ECUV1C154KBN	0.15 16V	[M]
C717	ECUV1C104KBV	0.1 16V	[M]
C718	ECUV1C224KBV	0.22 16V	[M]
C723	ECEA1AKA221I	220 10V	[M]
C724	ECUV1C104KBV	0.1 16V	[M]
C725	ECJ1VB1H102K	1000P 50V	[M]
C726	ECJ1VB1H102K	1000P 50V	[M]
C727	ECEA1HKA010I	1 50V	[M]
C728	ECEA1HKA010I	1 50V	[M]
C730	ECUV1C104KBV	0.1 16V	[M]
C731	ECEA0JKA221I	220 6.3V	[M]
C732	ECEA0JKA221I	220 6.3V	[M]
C733	ECUV1C104KBV	0.1 16V	[M]
C734	ECEA1AKA221I	220P 10V	[M]
C735	ECUV1C104KBV	0.1 16V	[M]
C736	ECJ1VB1H103K	0.01 50V	[M]
C737	ECJ1VB1H103K	0.01 50V	[M]
C738	ECJ1VB1H222K	2200P 50V	[M]
C739	ECJ1VB1H222K	2200P 50V	[M]
C742	ECUV1H223KBV	0.022 50V	[M]
C743	ECUV1C104KBV	0.1 16V	[M]
C744	ECJ1VB1H562K	5600 50V	[M]
C745	ECUV1C104KBV	0.1 16V	[M]
C747	ECJ1VB1H122K	1200P 50V	[M]
C749	ECJ1VB1H472K	4700 50V	[M]
C750	ECJ1VB1H103K	0.01 50V	[M]
C751	ECJ1VB1H103K	0.01 50V	[M]
C752	ECJ1VB1H821K	820 50V	[M]
C753	ECJ1VB1H471K	470 50V	[M]
C754	ECJ1VB1H471K	470 50V	[M]
C765	ECUV1H821JCV	820P 50V	[M]
C771	ECUV1H271KBV	270P 50V	[M]
C772	ECUV1H271KBV	270P 50V	[M]
C773	ECUV1H271KBV	270P 50V	[M]
C774	ECUV1H271KBV	270P 50V	[M]
C775	ECUV1H271KBV	270P 50V	[M]
C781	ECJ1VC1H100J	10P 50V	[M]
C782	ECUV1C104KBV	0.1 16V	[M]
C783	ECUV1C104KBV	0.1 16V	[M]
C784	ECEA0JKA470I	47 6.3V	[M]
C786	ECUV1C104KBV	0.1 16V	[M]
C787	ECUV1C104KBV	0.1 16V	[M]
C788	ECUV1C104KBV	0.1 16V	[M]
C801	ECEA0JKA101B	100 6.3V	[M]
C802	ECUV1C104KBV	0.1 16V	[M]
C803	ECA1AM472B	4700 10V	[M]
C804	ECJ1VB1E103K	0.01 25V	[M]

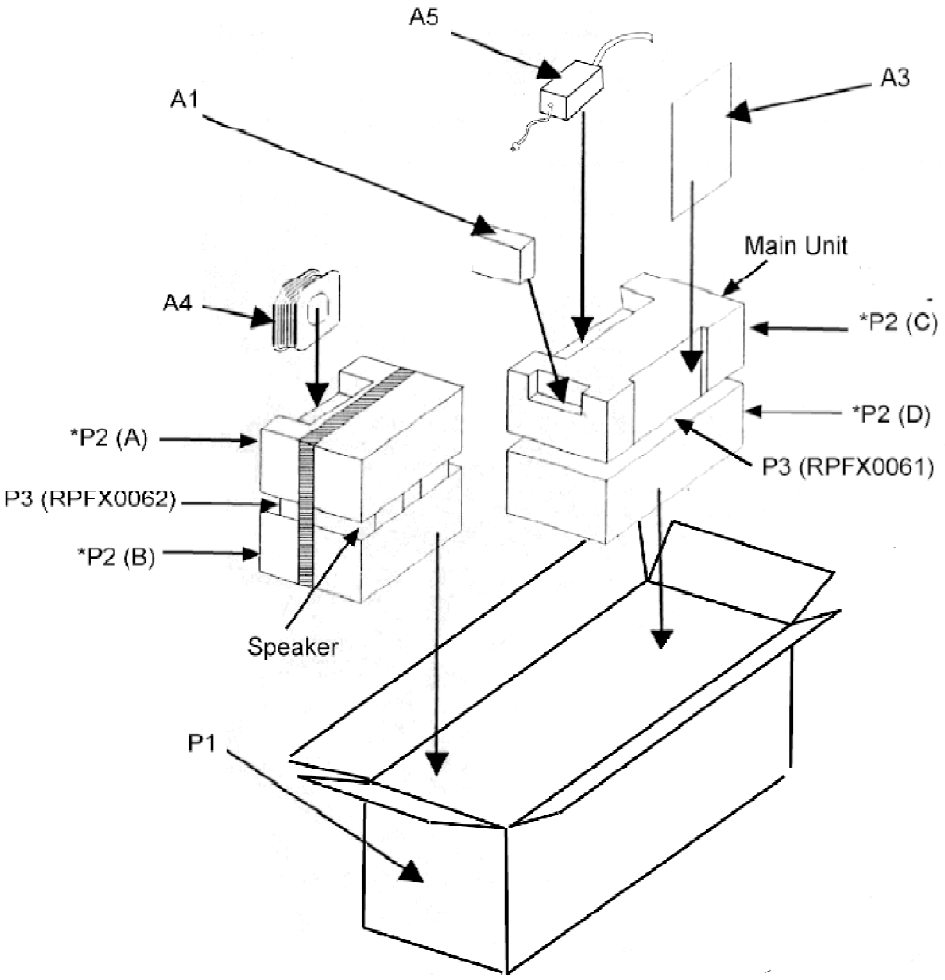
Ref. No.	Part No.	Part Name & Description	Remarks
C805	ECA1CM220BV	22 16V	[M]
C806	ECJ1VB1H102K	1000P 50V	[M]
C807	ECJ1VB1H102K	1000P 50V	[M]
C814	ECUV1H221KBV	220P 50V	[M]
C815	ECJ1VB1H102K	1000P 50V	[M]
C816	ECEA1HKA2R2B	2.2 50V	[M]
C817	ECEA1HKA010B	1 50V	[M]
C818	ECUV1H180JCV	18P 50V	[M]
C819	ECUV1H270JCV	27P 50V	[M]
C820	ECUV1H470JCV	47P 50V	[M]
C821	ECUV1H470JCV	47P 50V	[M]
C822	ECUV1H050CCV	5P 50V	[M]
C823	ECJ1VB1H102K	1000P 50V	[M]
C824	ECUV1H150JCV	15P 50V	[M]
C825	ECJ1VB1H102K	1000P 50V	[M]
C826	ECJ1VB1H102K	1000P 50V	[M]
C827	ECJ1VB1H102K	1000P 50V	[M]
C828	ECJ1VB1H102K	1000P 50V	[M]
C829	ECJ1VB1E103K	0.01 25V	[M]
C831	ECJ1VB1H102K	1000P 50V	[M]
C832	ECJ1VB1H102K	1000P 50V	[M]
C841	ECJ1VC1H101K	100P 50V	[M]
C842	ECJ1VC1H101K	100P 50V	[M]
C843	ECUV1C221KBV	220P 16V	[M]
C844	ECUV1C221KBV	220P 16V	[M]
C845	ECUV1C221KBV	220P 16V	[M]
C846	ECUV1C221KBV	220P 16V	[M]
C847	ECUV1C221KBV	220P 16V	[M]
C848	ECJ1VB1H102K	1000P 50V	[M]
C849	ECJ1VC1H101K	100P 50V	[M]
C850	ECJ1VC1H101K	100P 50V	[M]
C851	ECUV1C221KBV	220P 16V	[M]
C852	ECUV1C221KBV	220P 16V	[M]
C853	ECUV1C221KBV	220P 16V	[M]
C899	ECA1CM100BV	10 16V	[M]

20.4. Packing Materials & Accessories Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		PACKING MATERIALS	
P1	RPGX1180	PACKING CASE	[M]
P2	RPNX0167	POLYFOAM	[M]
P2	RPNX0175	POLYFOAM (SPEAKER)	[M]
P3	RPFX0061	MIRAMAT (CD COVER)	[M]
P3	RPFX0062	MIRAMAT (SPEAEKR)	[M]
		ACCESSORIES	
A1	EUR7101010	REMOTE CONTROL	[M]
A1-1	UR71EC0103A	BATTERY COVER	[M]
A3	RQT6734-1P	O/I BOOK (En)	[M]
A4	G0ZZ00002036	AM LOOP ANTENNA	[M]
A5	RFEA201C-T	AC ADAPTER	[M] ⚠

20.5. Packaging





M0306M/A/D/E/S/J

SCHEMATIC DIAGRAM - 1

(A) CD SERVO CIRCUIT (SIDE A)

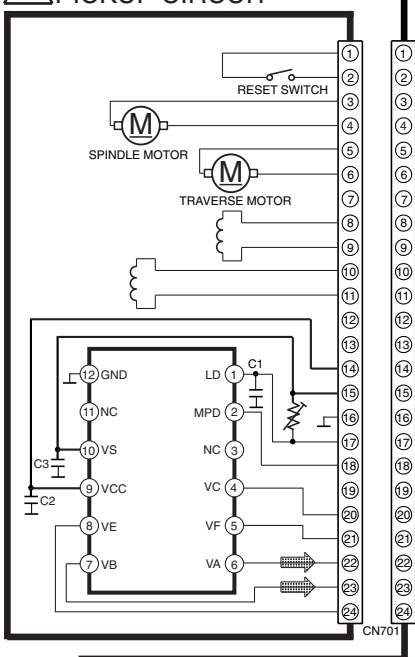
(A) CD SERVO CIRCUIT (SIDE B)

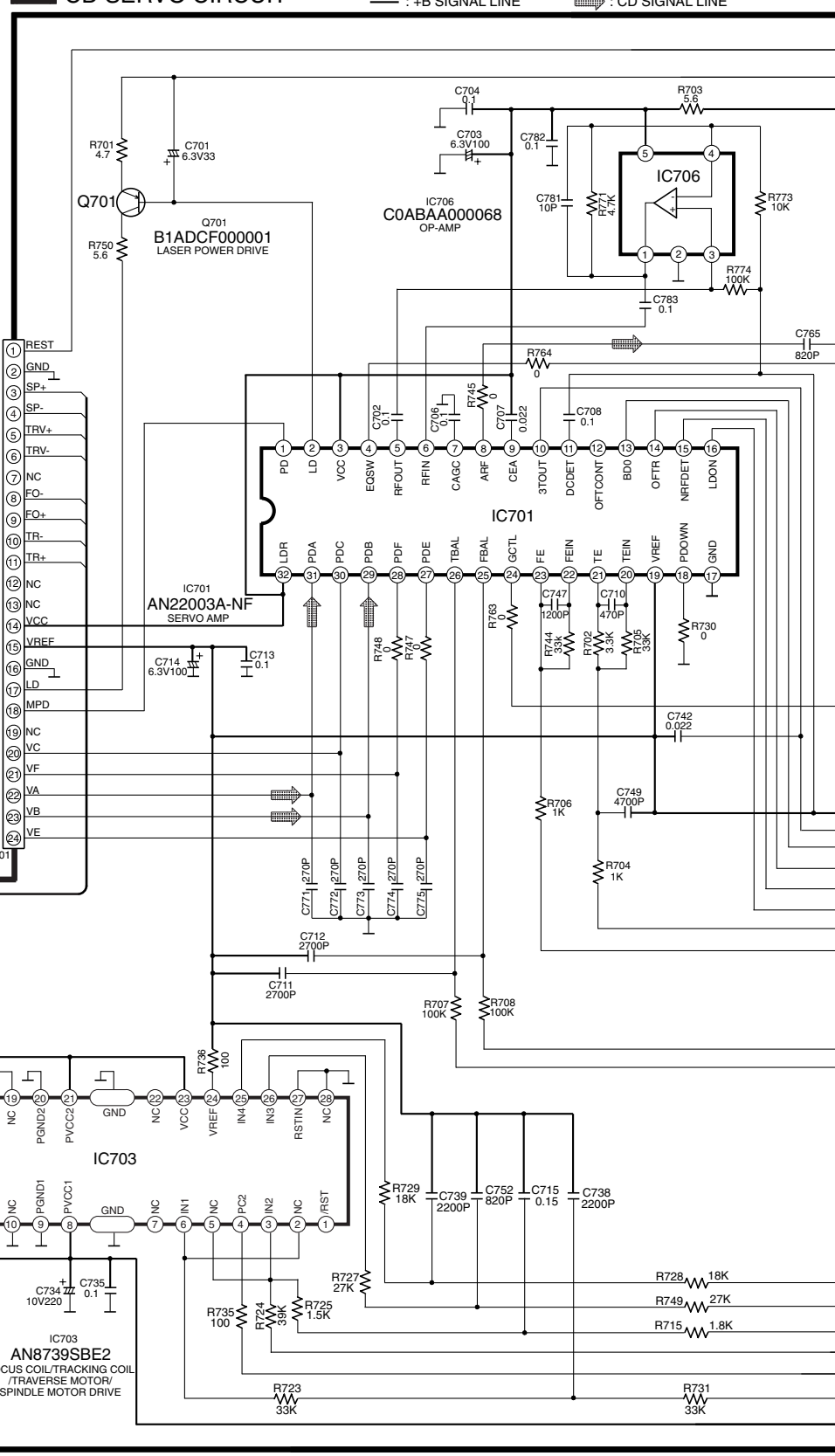
A CD SERVO CIRCUIT

—— : +B SIGNAL LINE

⇨ : CD SIGNAL LINE

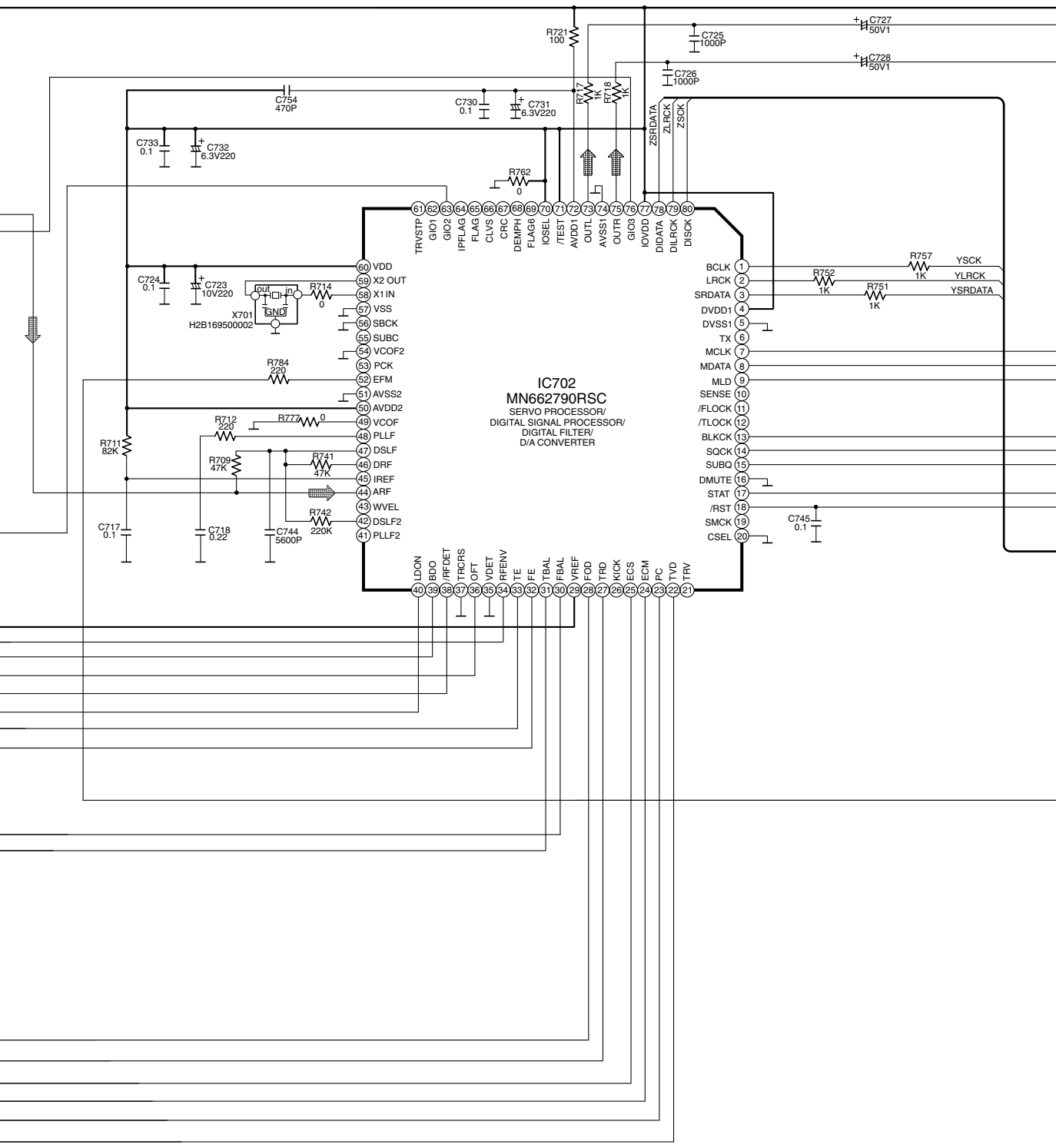
⚠ OPTICAL PICKUP CIRCUIT





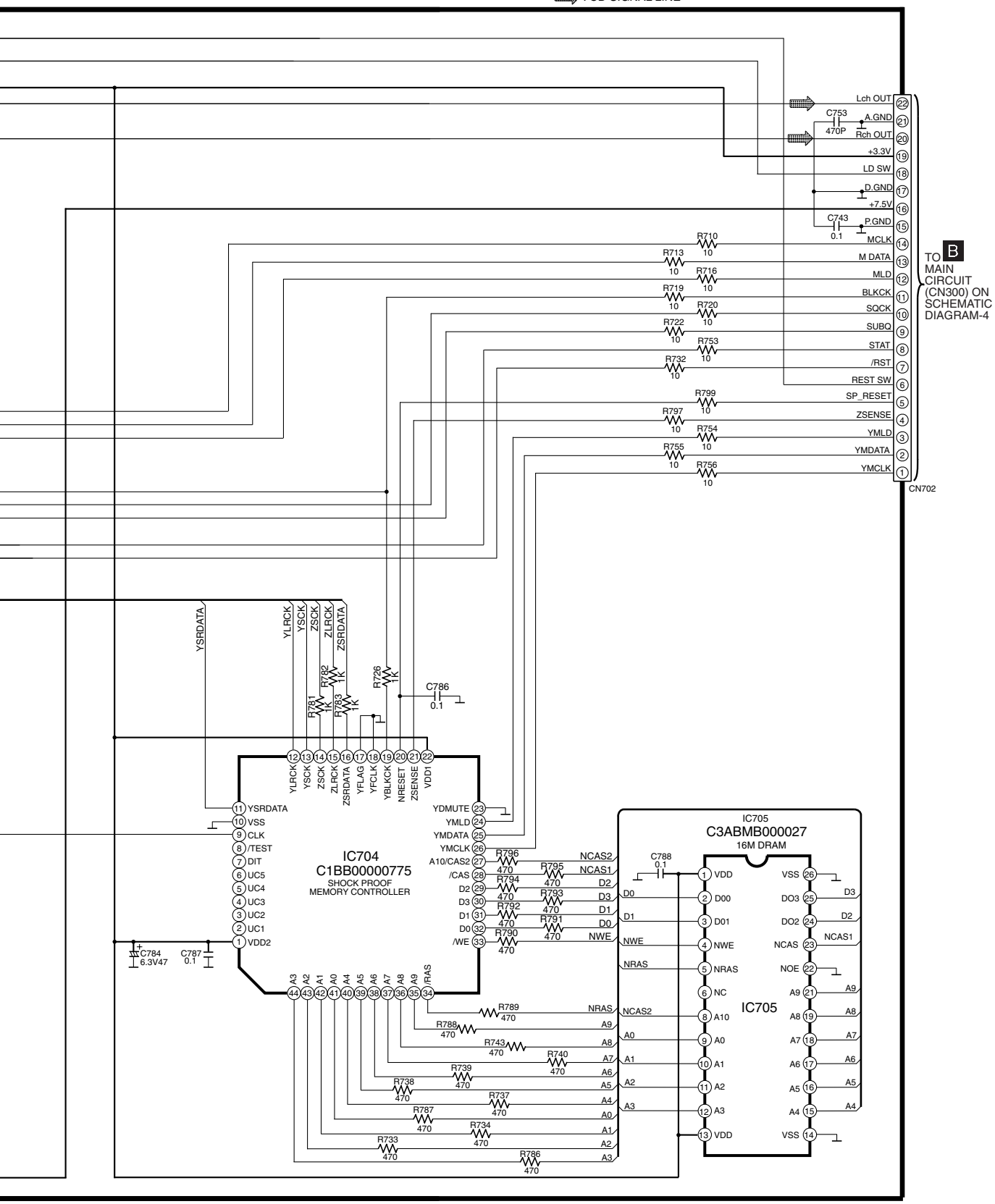
A CD SERVO CIRCUIT

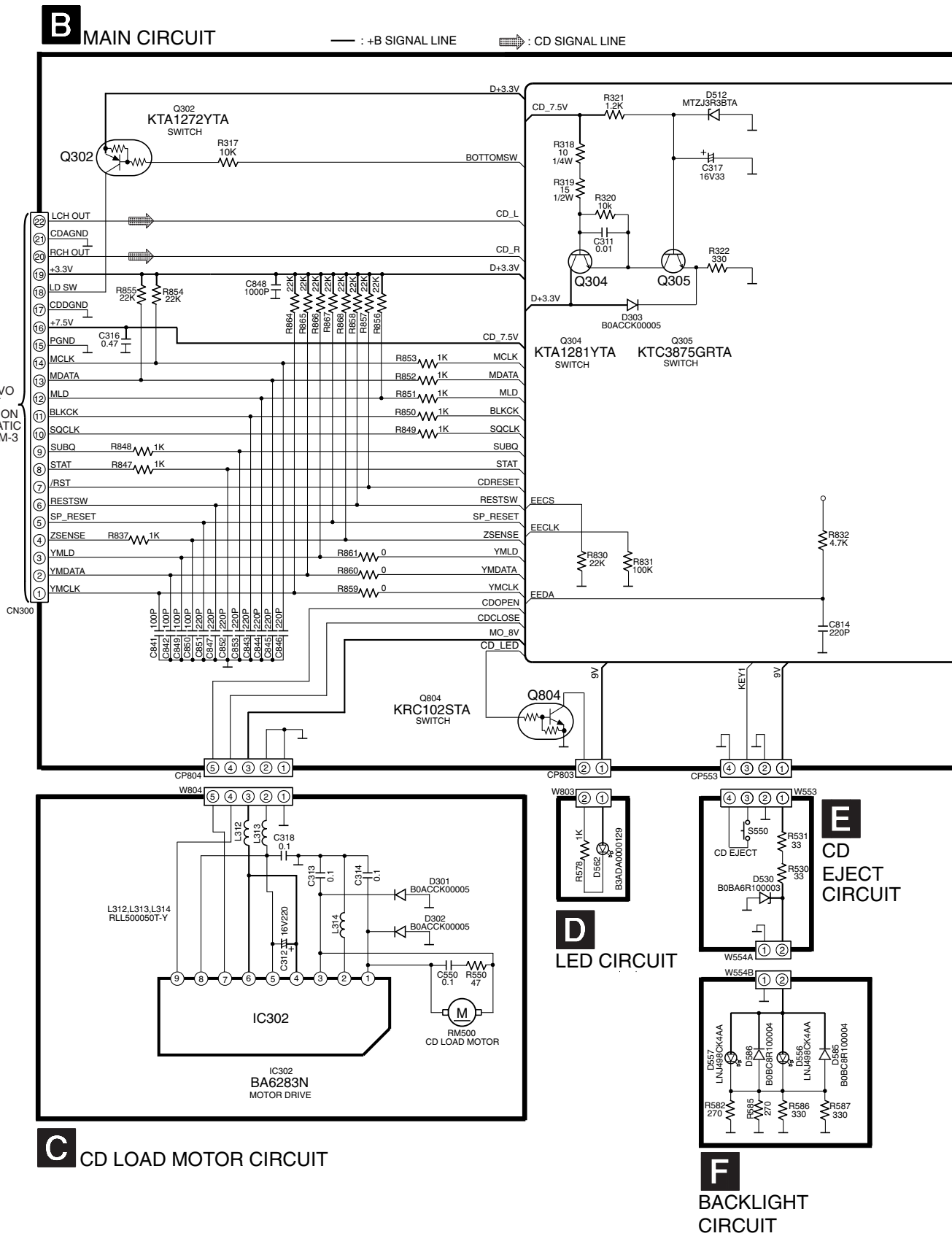
—— : +B SIGNAL LINE ⇨ : CD SIGNAL LINE



A CD SERVO CIRCUIT

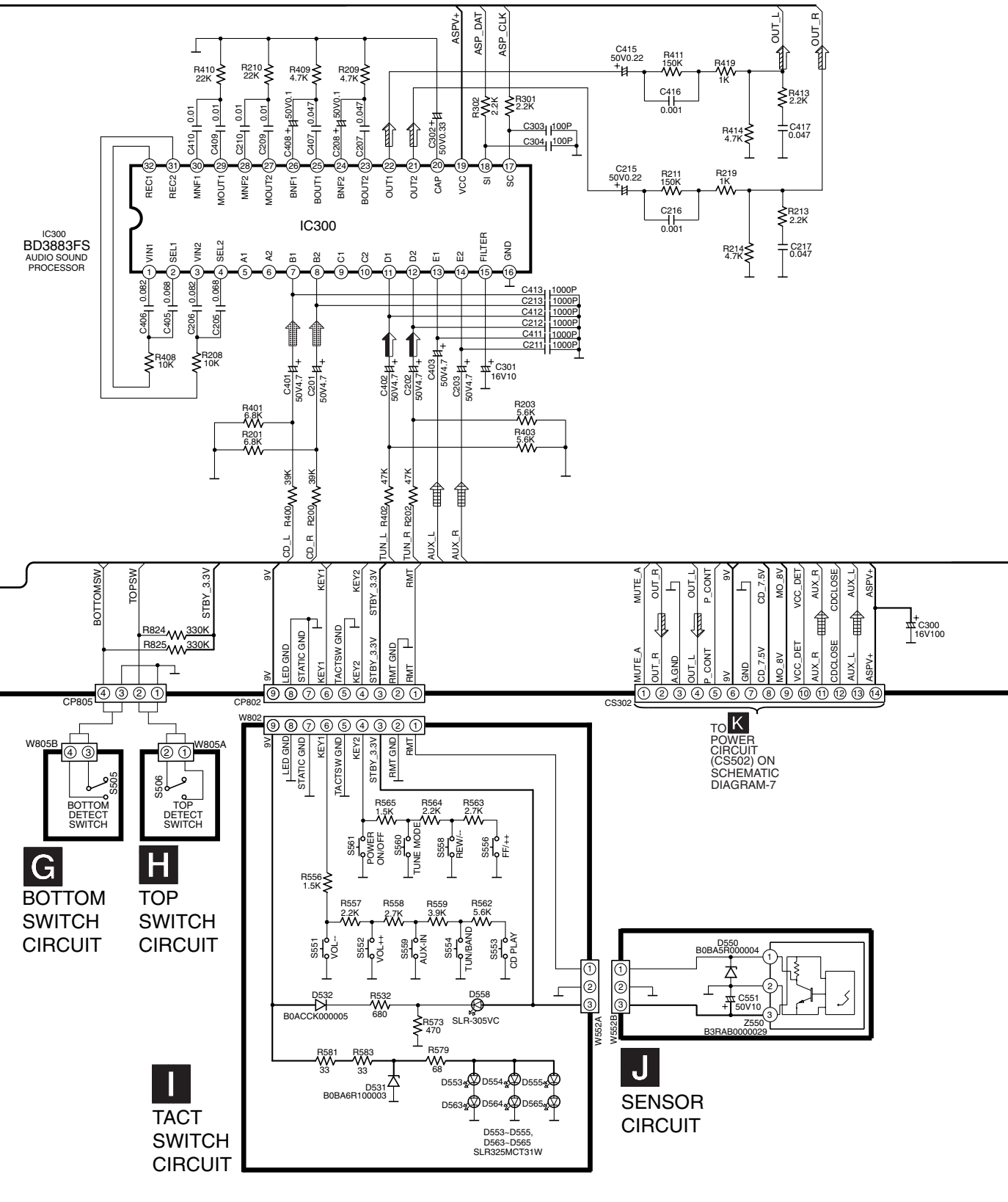
—— : +B SIGNAL LINE ⇨ : CD SIGNAL LINE




B MAIN CIRCUIT
—— : +B SIGNAL LINE
: CD SIGNAL LINE
Q302
KTA1272YTA
SWITCH
Q302
R317
10K
BOTTOMSW
D+3.3V
CD_7.5V
R321
1.2K
D512
MTZJ3R3BTA
R318
10
1/4W
C317
16V33
R319
15
1/2W
R320
10k
C311
0.01
Q304
Q305
R322
330
D303
B0ACCK00005
Q304
KTA1281YTA
SWITCH
Q305
KTC3875GRTA
SWITCH
CN300
LCH OUT
CDAGND
RCH OUT
+3.3V
LD SW
CDDGND
+7.5V
PGND
MCLK
MDATA
MLD
BLKCK
SQCLK
SUBQ
STAT
/RST
RESTSW
SP_RESET
ZSENSE
YMLD
YMDATA
YMCLK
CD_L
CD_R
CD_7.5V
R855 22K
R854 22K
C848 1000P
R864 22K
R865 22K
R866 22K
R867 22K
R868 22K
R858 22K
R857 22K
R856 22K
C316 0.47
R853 1K
R852 1K
R851 1K
R850 1K
R849 1K
R848 1K
R847 1K
R837 1K
R861 0
R860 0
R859 0
MCLK
MDATA
MLD
BLKCK
SQCLK
SUBQ
STAT
CDRESET
RESTSW
SP_RESET
ZSENSE
YMLD
YMDATA
YMCLK
EECS
EECLK
EEDA
CDOPEN
CDCLOSE
MO_8V
CD_LED
R830 22K
R831 100K
R832 4.7K
C814 220P
C841 100P
C842 100P
C849 100P
C850 100P
C851 220P
C847 220P
C852 220P
C853 220P
C843 220P
C844 220P
C845 220P
C846 220P
TO A
CD SERVO
CIRCUIT
(CN702) ON
SCHEMATIC
DIAGRAM-3
Q804
KRC102STA
SWITCH
Q804
9V
KEY1
9V
CP804
CP803
CP553
W804
W803
W553
L312
L313
C318
0.1
C313
0.1
C314
0.1
D301
B0ACCK00005
D302
B0ACCK00005
L314
C312 16V220
L312,L313,L314
RLL500050T-Y
C550
0.1
R550
47
IC302
M
RM500
CD LOAD MOTOR
IC302
BA6283N
MOTOR DRIVE
R578
1K
D562
B3ADA0000129
S550
CD EJECT
R531
33
R530
33
D530
B0BA6R100003
W554A
W554B
D557
LNJ498CK4AA
D586
B0BC8R100004
D556
LNJ498CK4AA
D585
B0BC8R100004
R582
270
R585
270
R586
330
R587
330
C CD LOAD MOTOR CIRCUIT
D LED CIRCUIT
E CD EJECT CIRCUIT
F BACKLIGHT CIRCUIT

B MAIN CIRCUIT

: AUX SIGNAL LINE : MAIN SIGNAL LINE
: +B SIGNAL LINE : CD SIGNAL LINE : FM/AM SIGNAL LINE



G BOTTOM SWITCH CIRCUIT

H TOP SWITCH CIRCUIT

I TACT SWITCH CIRCUIT

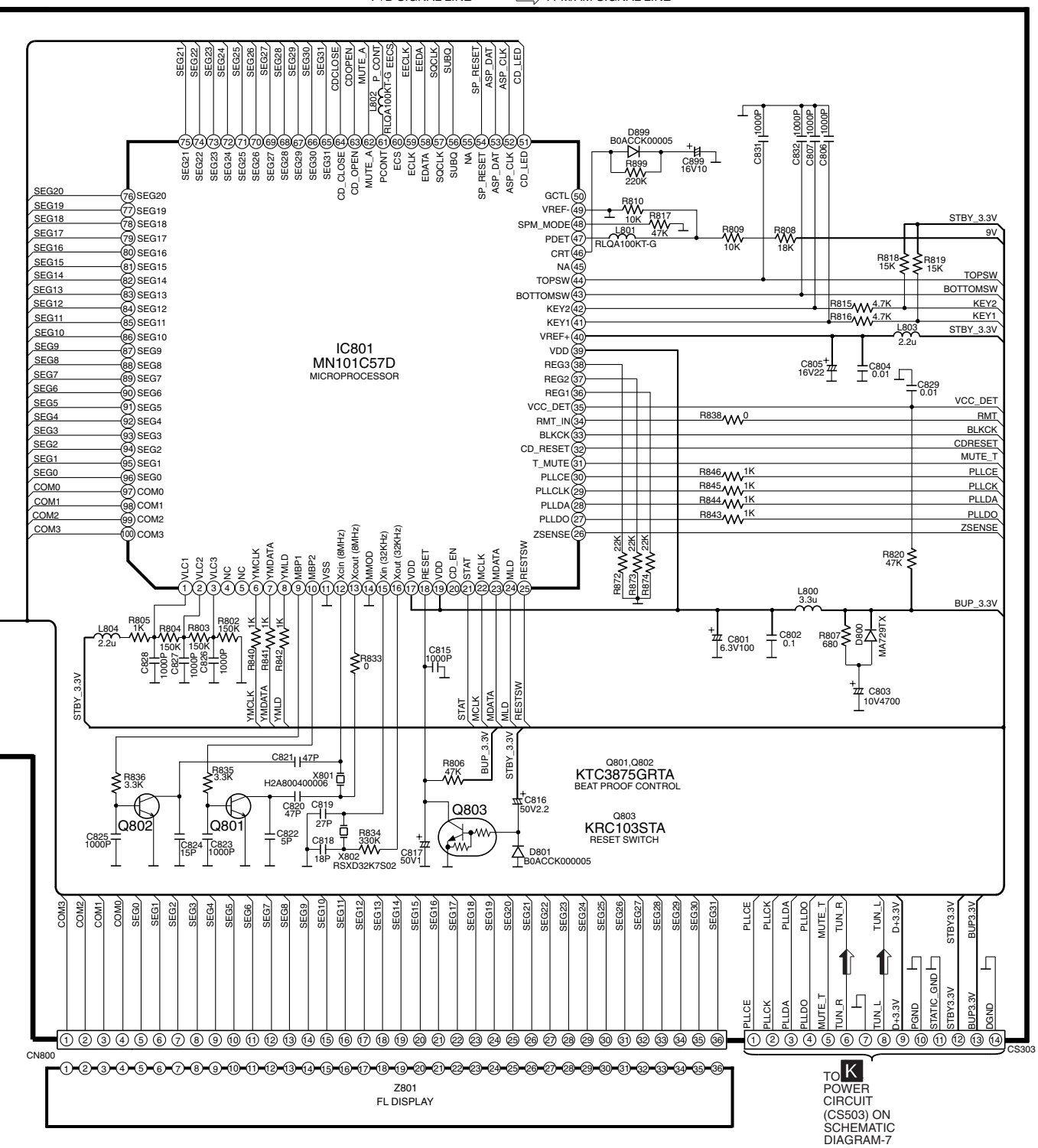
J SENSOR CIRCUIT

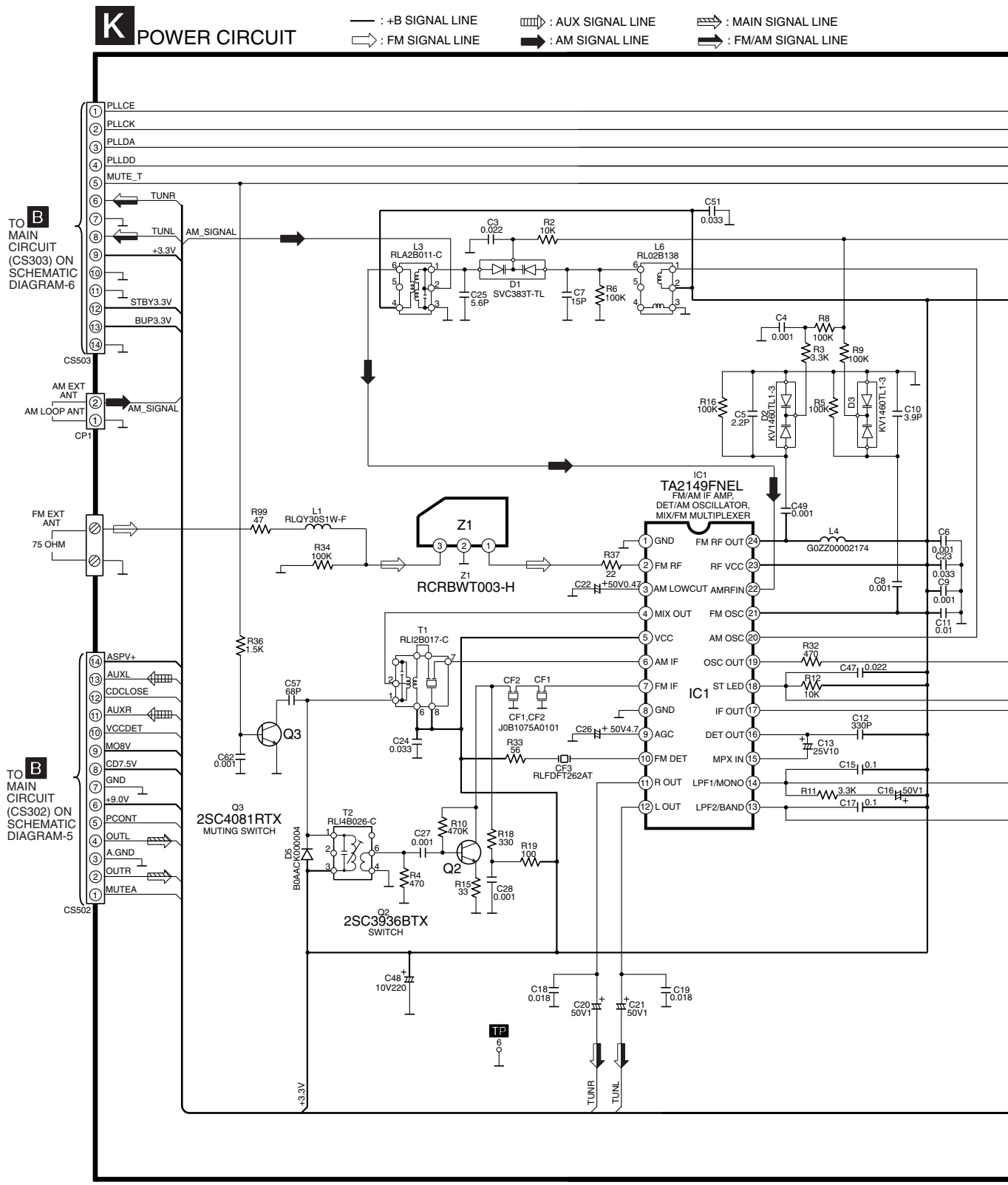
SCHEMATIC DIAGRAM - 6

B MAIN CIRCUIT

—— : +B SIGNAL LINE

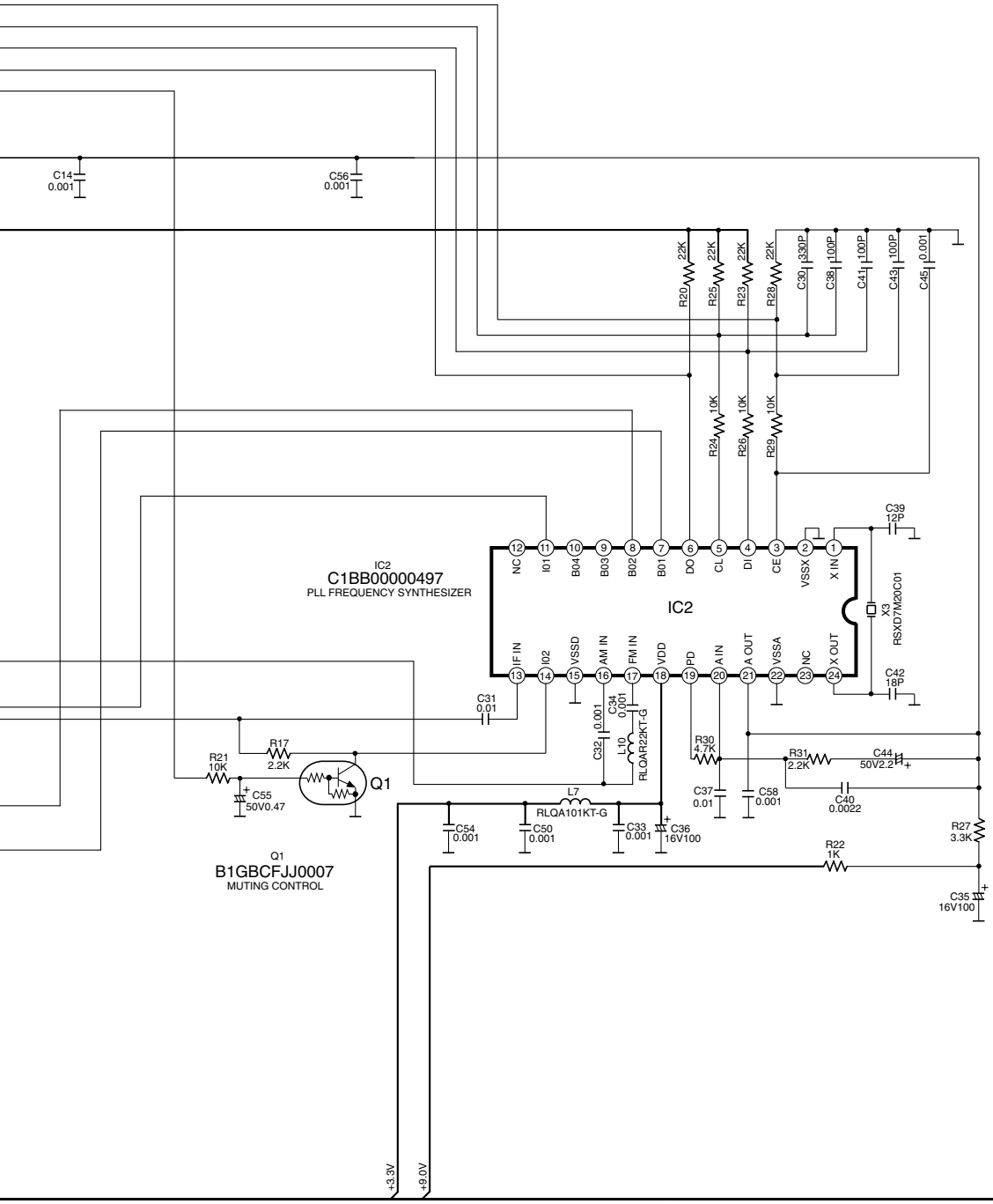
⇒ : FM/AM SIGNAL LINE




K POWER CIRCUIT
: +B SIGNAL LINE
: FM SIGNAL LINE
: AUX SIGNAL LINE
: AM SIGNAL LINE
: MAIN SIGNAL LINE
: FM/AM SIGNAL LINE
TO B MAIN CIRCUIT (CS303) ON SCHEMATIC DIAGRAM-6
PLLCE
PLLCK
PLLDA
PLLDD
MUTE_T
TUNR
TUNL
+3.3V
STBY3.3V
BUP3.3V
CS503
AM EXT ANT
AM LOOP ANT
AM_SIGNAL
CP1
FM EXT ANT
75 OHM
TO B MAIN CIRCUIT (CS302) ON SCHEMATIC DIAGRAM-5
ASPV+
AUXL
CDCLOSE
AUXR
VCCDET
MO8V
CD7.5V
GND
+9.0V
PCONT
OUTL
A.GND
OUTR
MUTEA
CS502
IC1
TA2149FNEL
FM/AM IF AMP, DET/AM OSCILLATOR, MIX/FM MULTIPLEXER
GND
FM RF
AM LOWCUT
MIX OUT
VCC
AM IF
FM IF
GND
AGC
FM DET
R OUT
L OUT
FM RF OUT
RF VCC
AMRFIN
FM OSC
AM OSC
OSC OUT
ST LED
IF OUT
DET OUT
MPX IN
LPF1/MONO
LPF2/BAND
Z1
RCRBWT003-H
Q3
2SC4081RTX
MUTING SWITCH
Q2
2SC3936BTX
SWITCH
D1 SVC383T-TL
D2 KV1460TL1-3
D3 KV1460TL1-3
D5 B0AACK000004
CF1,CF2 J0B1075A0101
CF3 RLFDFT262AT
L1 RLQY30S1W-F
L3 RLA2B011-C
L4 G0ZZ00002174
L6 RL02B138
T1 RLI2B017-C
T2 RLI4B026-C
TP 6

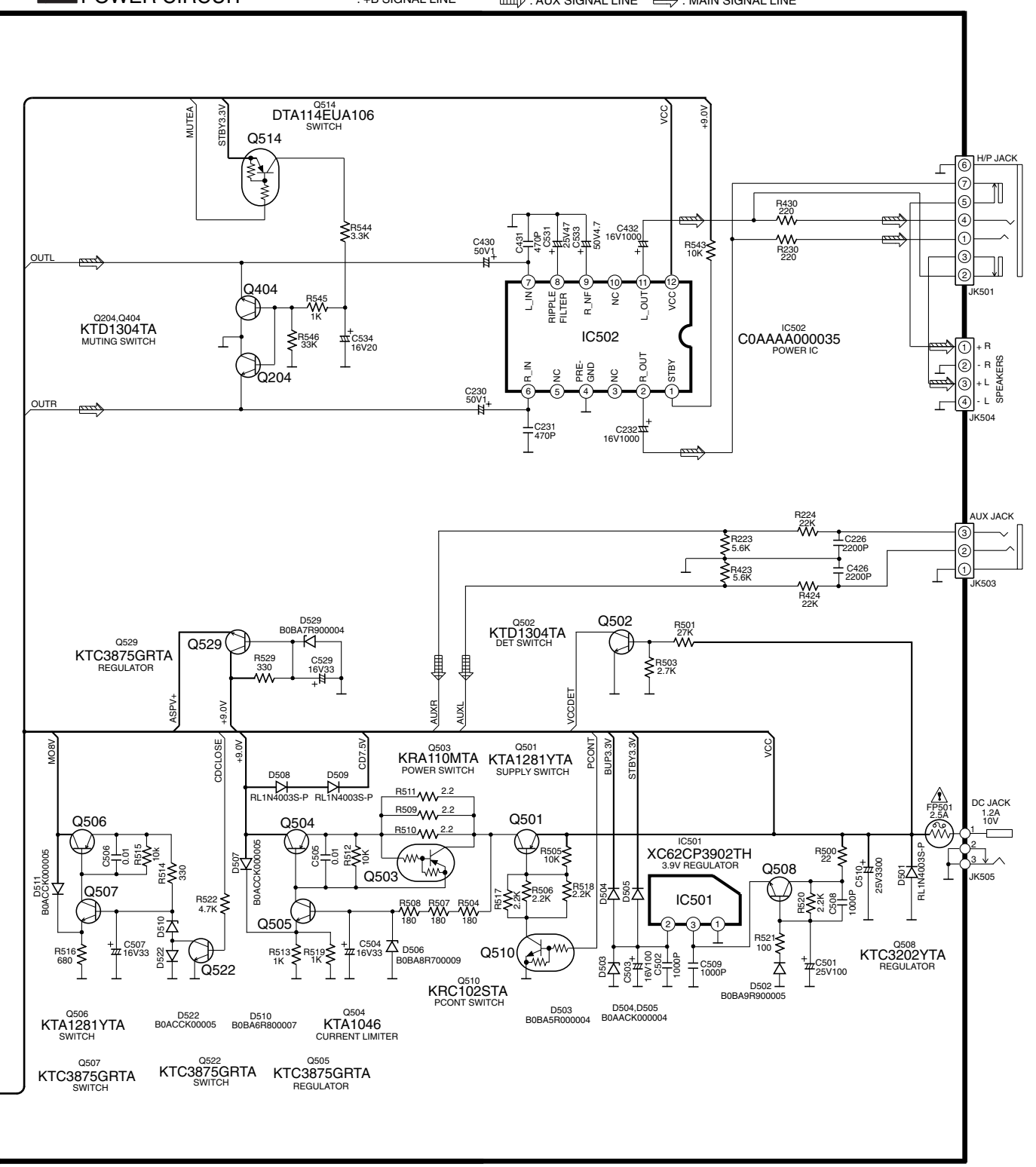
K POWER CIRCUIT

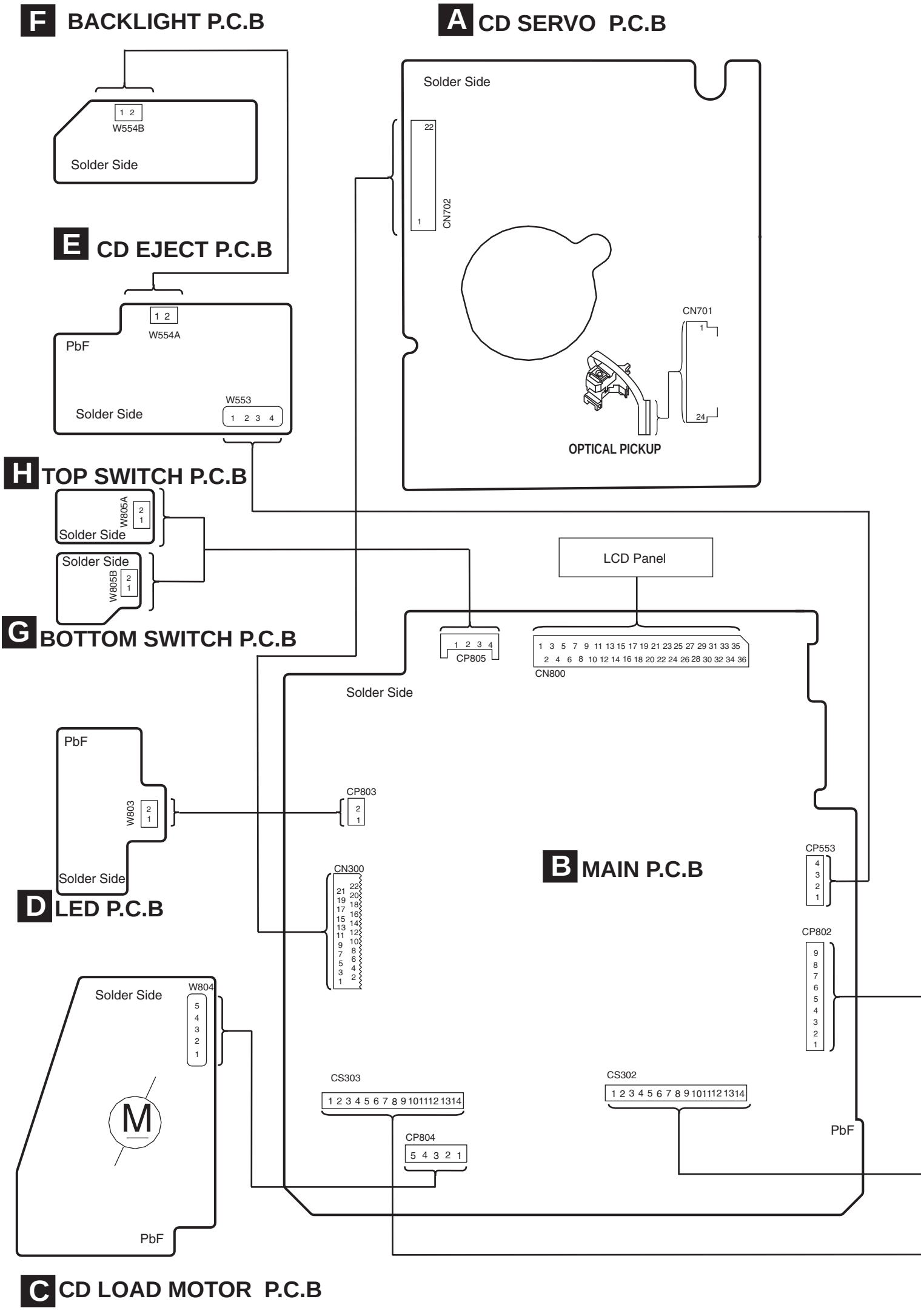
—— : +B SIGNAL LINE

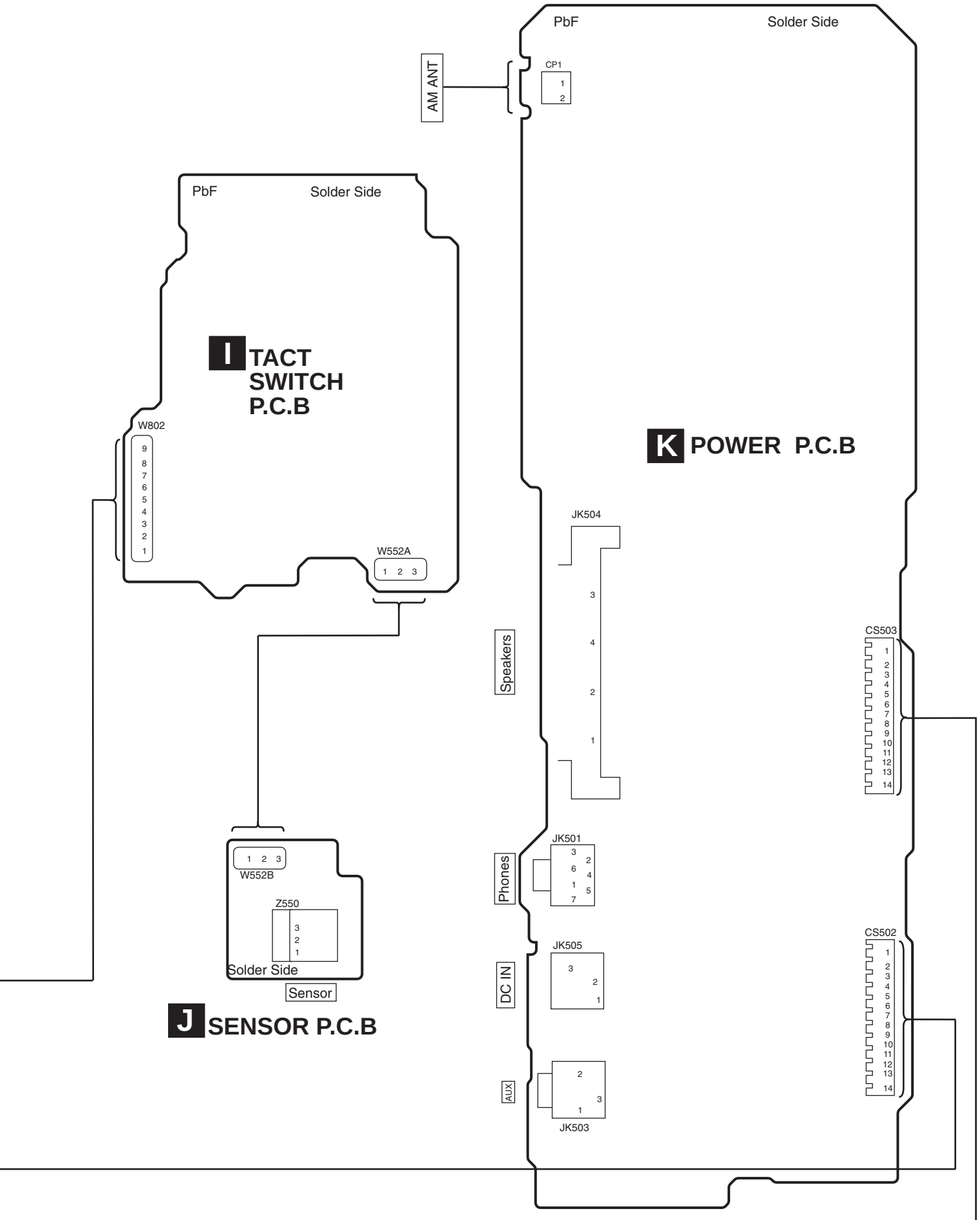


K POWER CIRCUIT

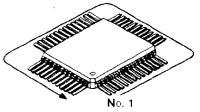
—— : +B SIGNAL LINE : AUX SIGNAL LINE : MAIN SIGNAL LINE



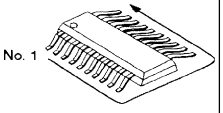

F BACKLIGHT P.C.B
1 2
W554B
Solder Side
A CD SERVO P.C.B
Solder Side
22
1
CN702
CN701
1
24
OPTICAL PICKUP
E CD EJECT P.C.B
1 2
W554A
PbF
Solder Side
W553
1 2 3 4
H TOP SWITCH P.C.B
W805A
2
1
Solder Side
Solder Side
W805B
2
1
G BOTTOM SWITCH P.C.B
LCD Panel
1 2 3 4
CP805
1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36
CN800
Solder Side
PbF
W803
2
1
Solder Side
CP803
2
1
D LED P.C.B
CN300
21 19 17 15 13 11 9 7 5 3 1
22 20 18 16 14 12 10 8 6 4 2
B MAIN P.C.B
CP553
4
3
2
1
CP802
9
8
7
6
5
4
3
2
1
Solder Side
W804
5
4
3
2
1
M
CS303
1 2 3 4 5 6 7 8 9 10 11 12 13 14
CP804
5 4 3 2 1
CS302
1 2 3 4 5 6 7 8 9 10 11 12 13 14
PbF
PbF
C CD LOAD MOTOR P.C.B


PbF
Solder Side
AM ANT
CP1
1
2
PbF
Solder Side
I TACT SWITCH P.C.B
W802
9
8
7
6
5
4
3
2
1
W552A
1 2 3
K POWER P.C.B
JK504
3
4
2
1
Speakers
CS503
1
2
3
4
5
6
7
8
9
10
11
12
13
14
1 2 3
W552B
Z550
3
2
1
Solder Side
Sensor
J SENSOR P.C.B
JK501
3
2
6
4
1
5
7
Phones
JK505
3
2
1
DC IN
CS502
1
2
3
4
5
6
7
8
9
10
11
12
13
14
AUX
2
3
1
JK503

C1BB00000775 (44P)
MN662790RSC (80P)
MN101C57D (100P)



C3ABMB000027 (26P)
AN8739SBE2 (28P)
AN22003A-NF (32P)



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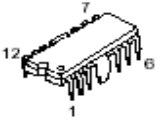
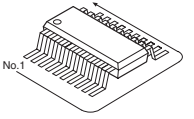


C1BB00000497 (24P)
TA2149FNEL (24P)
BD3883FS (32P)



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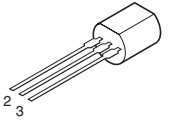

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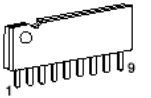
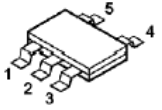
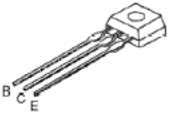


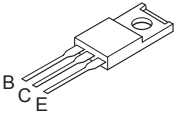
C0ABAA000068



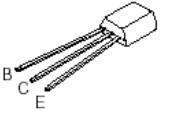
KTA1272YTA



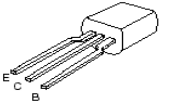
KTA1046



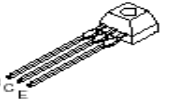
KTA1281YTA



KTC3202YTA



KRA110MTA



KTC3875GRTA
KRC102STA
KRC103STA
2SC3936BTX
DTA114EUA106
KTD1304TA
B1ADCF000001

B1GBCFJJ0007
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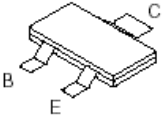

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SLR-305VC
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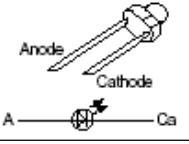

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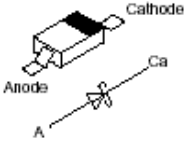

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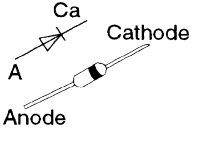
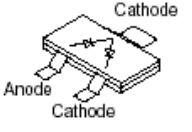


SVC383T-TL
KV1460TL1-3



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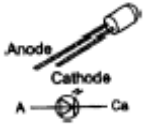
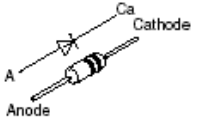
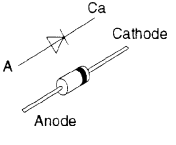


MA729TX



RL1N4003S-P



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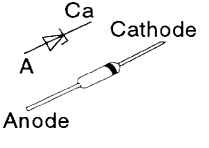
B0BA8R700009
B0BA9R900005
B0BA7R900004
B0BA6R800007
MTZJ3R3BTA



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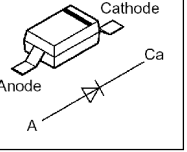

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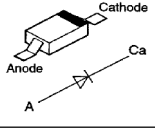
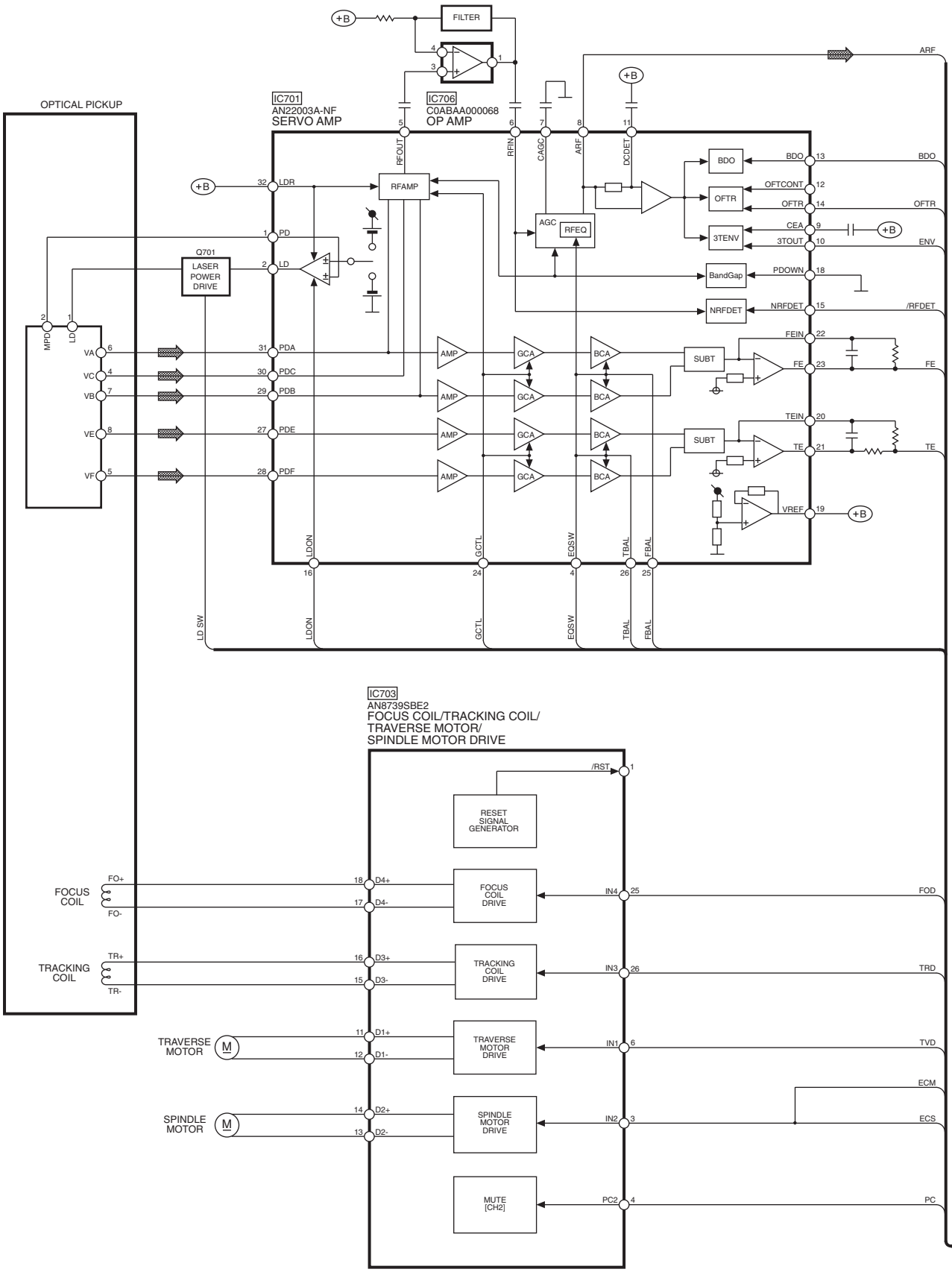
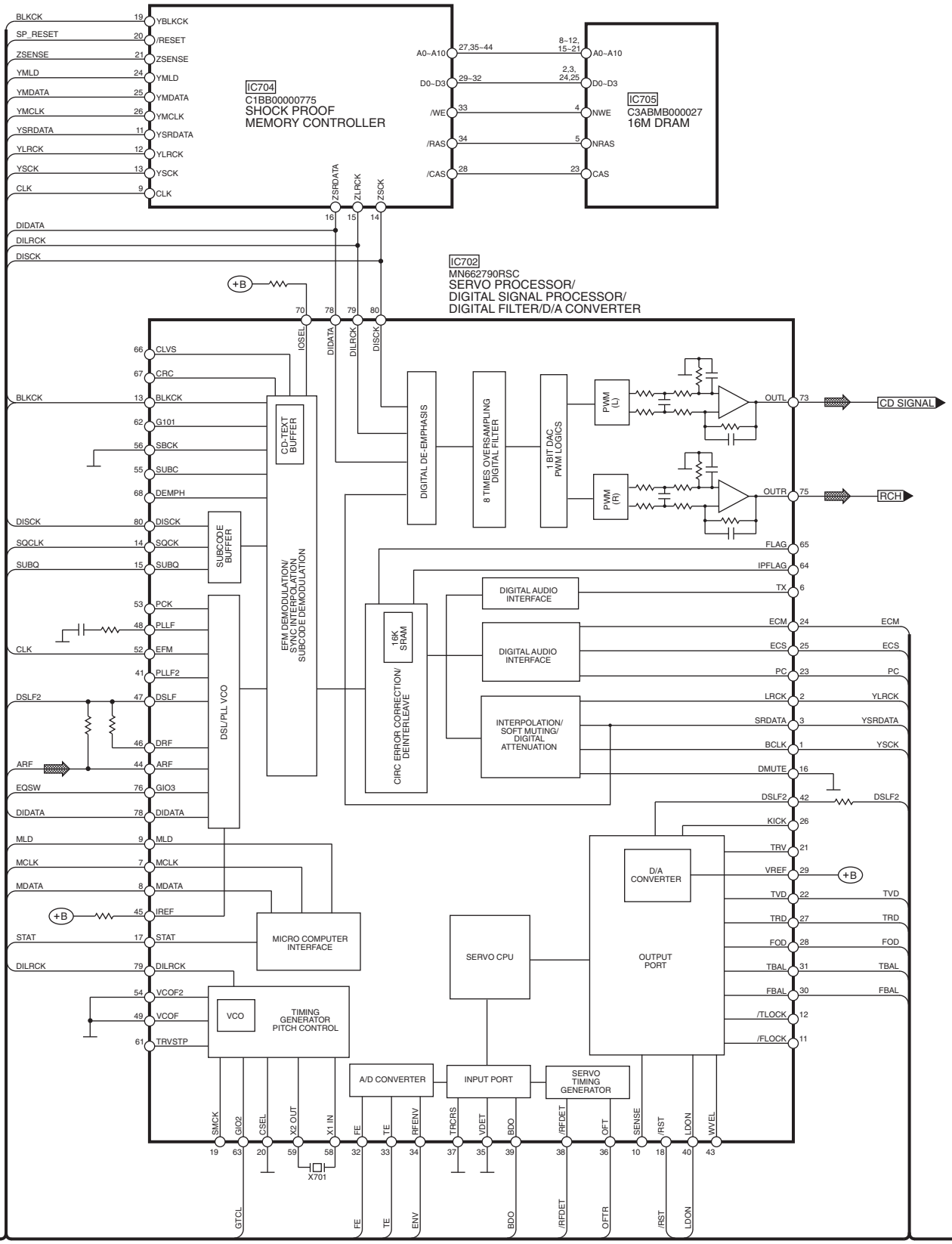
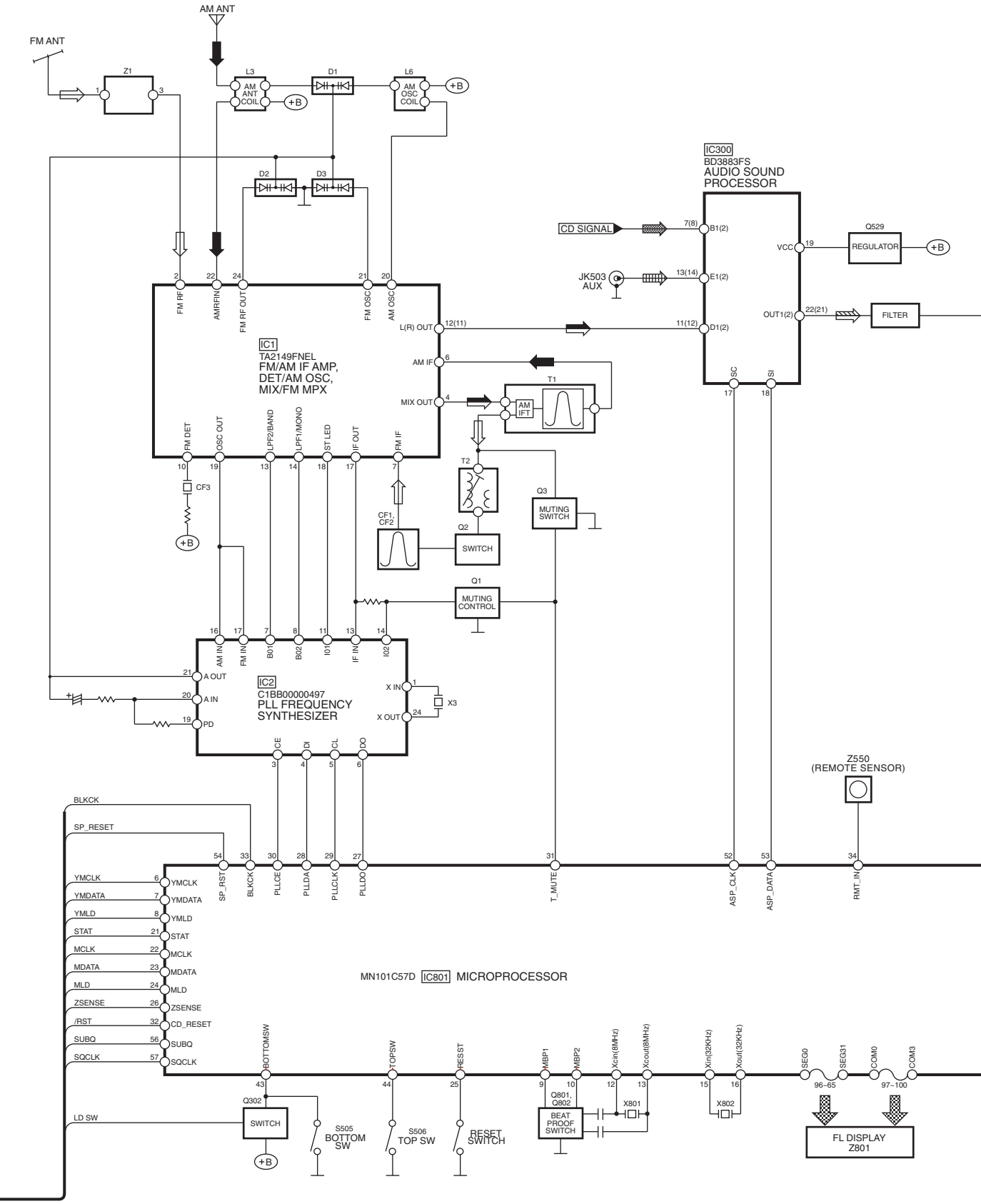
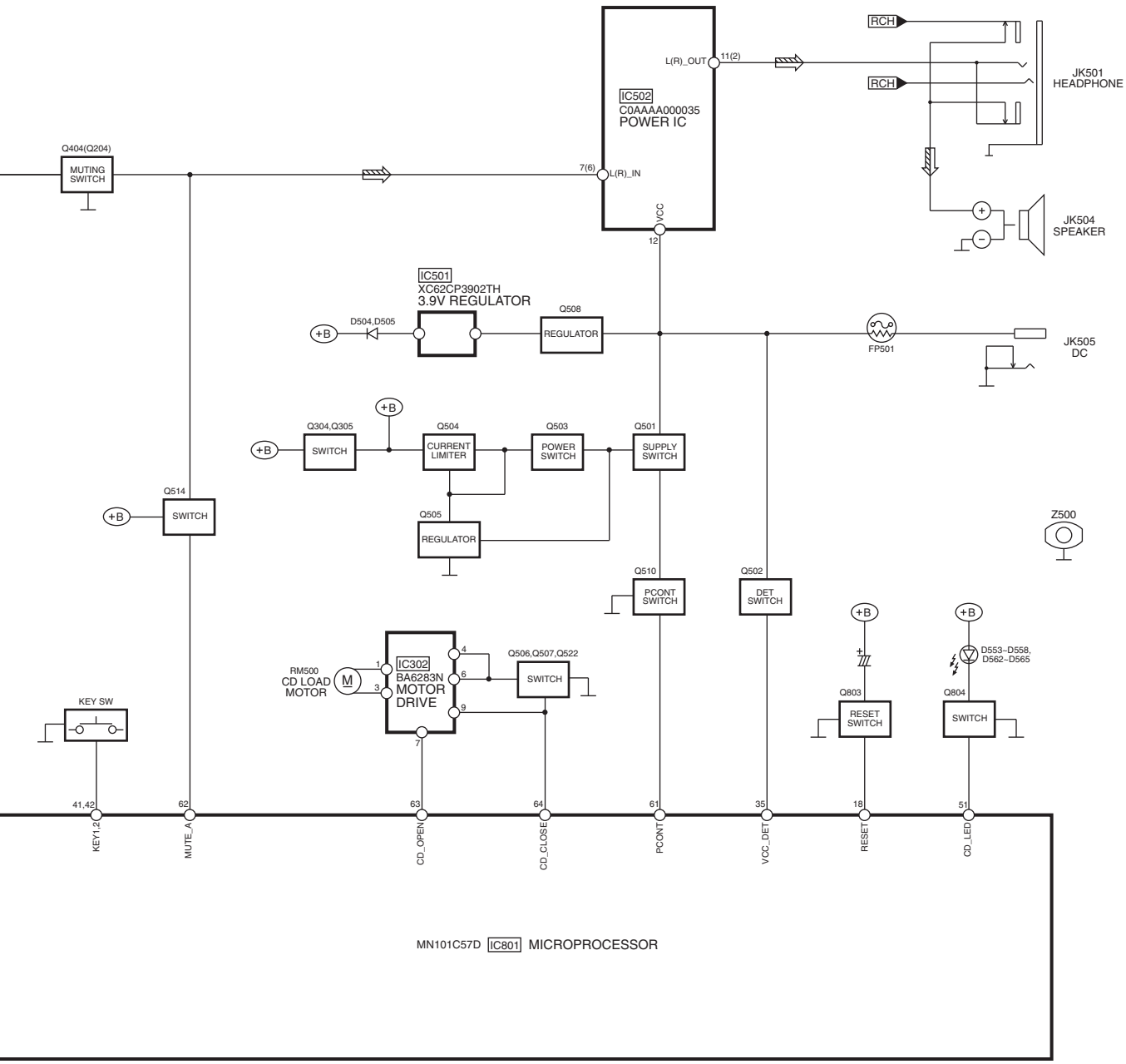



OPTICAL PICKUP
IC701
AN22003A-NF
SERVO AMP
IC706
C0ABAA000068
OP AMP
FILTER
+B
ARF
RFOUT
RFIN
CAGC
DCDET
RFAMP
AGC
RFEQ
BDO
OFTCONT
OFTR
CEA
3TOUT
3TENV
BandGap
PDOWN
NRFDET
/RFDET
ENV
FEIN
FE
TEIN
TE
VREF
Q701
LASER
POWER
DRIVE
LDR
PD
LD
MPD
VA
VC
VB
VE
VF
PDA
PDC
PDB
PDE
PDF
AMP
GCA
BCA
SUBT
LDON
GCTL
EQSW
TBAL
FBAL
LD SW
IC703
AN8739SBE2
FOCUS COIL/TRACKING COIL/
TRAVERSE MOTOR/
SPINDLE MOTOR DRIVE
/RST
RESET
SIGNAL
GENERATOR
FOCUS
COIL
DRIVE
TRACKING
COIL
DRIVE
TRAVERSE
MOTOR
DRIVE
SPINDLE
MOTOR
DRIVE
MUTE
[CH2]
FO+
FO-
TR+
TR-
D4+
D4-
D3+
D3-
D1+
D1-
D2+
D2-
IN4
IN3
IN1
IN2
PC2
FOD
TRD
TVD
ECM
ECS
PC


IC704
C1BB00000775
SHOCK PROOF
MEMORY CONTROLLER
IC705
C3ABMB000027
16M DRAM
IC702
MN662790RSC
SERVO PROCESSOR/
DIGITAL SIGNAL PROCESSOR/
DIGITAL FILTER/D/A CONVERTER
BLKCK
SP_RESET
ZSENSE
YMLD
YMDATA
YMCLK
YSRDATA
YLRCK
YSCK
CLK
DIDATA
DILRCK
DISCK
+B
A0–A10
D0–D3
/WE
/RAS
/CAS
NWE
NRAS
CAS
ZSRDATA
ZLRCK
ZSCK
IOSEL
CLVS
CRC
G101
SBCK
SUBC
DEMPH
SQCLK
SUBQ
PCK
PLLF
EFM
PLLF2
DSLF
DRF
ARF
GIO3
MLD
MCLK
MDATA
IREF
STAT
VCOF2
VCOF
TRVSTP
CD-TEXT BUFFER
SUBCODE BUFFER
EFM DEMODULATION/
SYNC INTERPOLATION
SUBCODE DEMODULATION
DSL/PLL VCO
DIGITAL DE-EMPHASIS
8 TIMES OVERSAMPLING
DIGITAL FILTER
1 BIT DAC
PWM LOGICS
PWM (L)
PWM (R)
OUTL
OUTR
CD SIGNAL
RCH
16K SRAM
CIRC ERROR CORRECTION/
DEINTERLEAVE
DIGITAL AUDIO INTERFACE
DIGITAL AUDIO INTERFACE
INTERPOLATION/
SOFT MUTING/
DIGITAL
ATTENUATION
FLAG
IPFLAG
TX
ECM
ECS
PC
LRCK
SRDATA
BCLK
DMUTE
KICK
TRV
VREF
TVD
TRD
FOD
TBAL
FBAL
/TLOCK
/FLOCK
D/A CONVERTER
OUTPUT PORT
MICRO COMPUTER INTERFACE
SERVO CPU
TIMING GENERATOR
PITCH CONTROL
VCO
A/D CONVERTER
INPUT PORT
SERVO TIMING GENERATOR
SMCK
GTCL
GIO2
CSEL
X2 OUT
X1 IN
X701
FE
TE
RFENV
TRCRS
VDET
BDO
/RFDET
OFT
SENSE
/RST
LDON
WVEL


AM ANT
FM ANT
Z1
L3
AM ANT COIL
D1
L6
AM OSC COIL
+B
D2
D3
IC300
BD3883FS
AUDIO SOUND PROCESSOR
CD SIGNAL
JK503 AUX
Q529
REGULATOR
VCC
OUT1(2)
FILTER
L(R) OUT
AM IF
MIX OUT
T1
AM IFT
IC1
TA2149FNEL
FM/AM IF AMP, DET/AM OSC, MIX/FM MPX
FM RF
AMRFIN
FM RF OUT
FM OSC
AM OSC
FM DET
OSC OUT
LPF2/BAND
LPF1/MONO
ST LED
IF OUT
FM IF
CF3
CF1
CF2
T2
Q2
SWITCH
Q3
MUTING SWITCH
Q1
MUTING CONTROL
AM IN
FM IN
B01
B02
I01
IF IN
I02
IC2
C1BB00000497
PLL FREQUENCY SYNTHESIZER
A OUT
A IN
PD
X IN
X OUT
X3
CE
DI
CL
DO
Z550
(REMOTE SENSOR)
BLKCK
SP_RESET
YMCLK
YMDATA
YMLD
STAT
MCLK
MDATA
MLD
ZSENSE
/RST
SUBQ
SQCLK
SP_RST
BLKCK
PLLCE
PLLDA
PLLCLK
PLLDO
T_MUTE
ASP_CLK
ASP_DATA
RMT_IN
MN101C57D IC801 MICROPROCESSOR
CD_RESET
BOTTOMSW
TOPSW
RESSET
MBP1
MBP2
Xcin(8MHz)
Xcout(8MHz)
Xin(32KHz)
Xout(32KHz)
SEG30
SEG31
COM0
COM3
96~65
97~100
Q302
SWITCH
LD SW
S505 BOTTOM SW
S506 TOP SW
RESET SWITCH
Q801, Q802
BEAT PROOF SWITCH
X801
X802
FL DISPLAY Z801



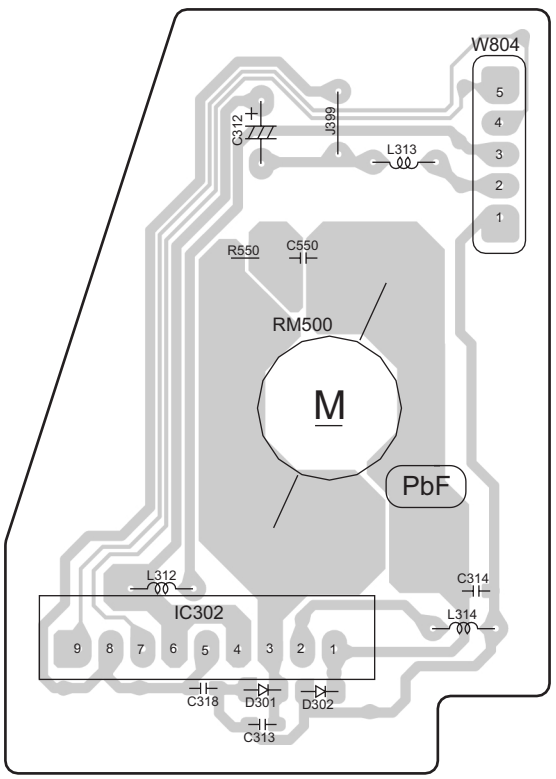
SIGNAL LINES

: MAIN SIGNAL LINE
: FM SIGNAL LINE
: AM SIGNAL LINE
: CD SIGNAL LINE
: FM /AM SIGNAL LINE
: AUX SIGNAL LINE

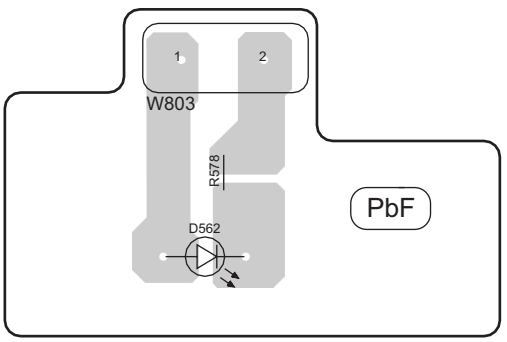
( ) Indicates the Pin No. of Right Channel.

NOTE : Signal Lines are applicable to the Left Channel only.

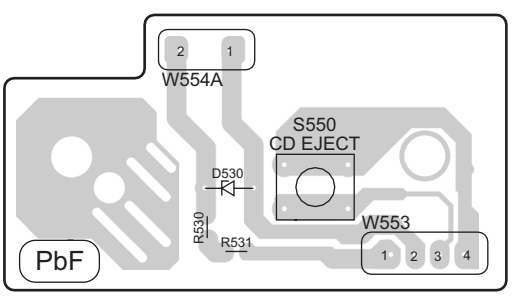
C CD LOAD MOTOR P.C.B (REPX0342D)



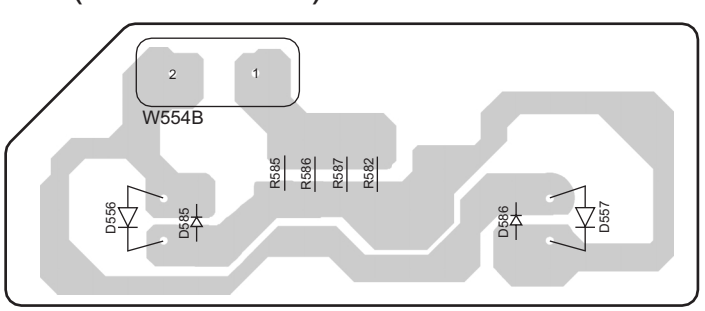
D LED P.C.B (REPX0342D)



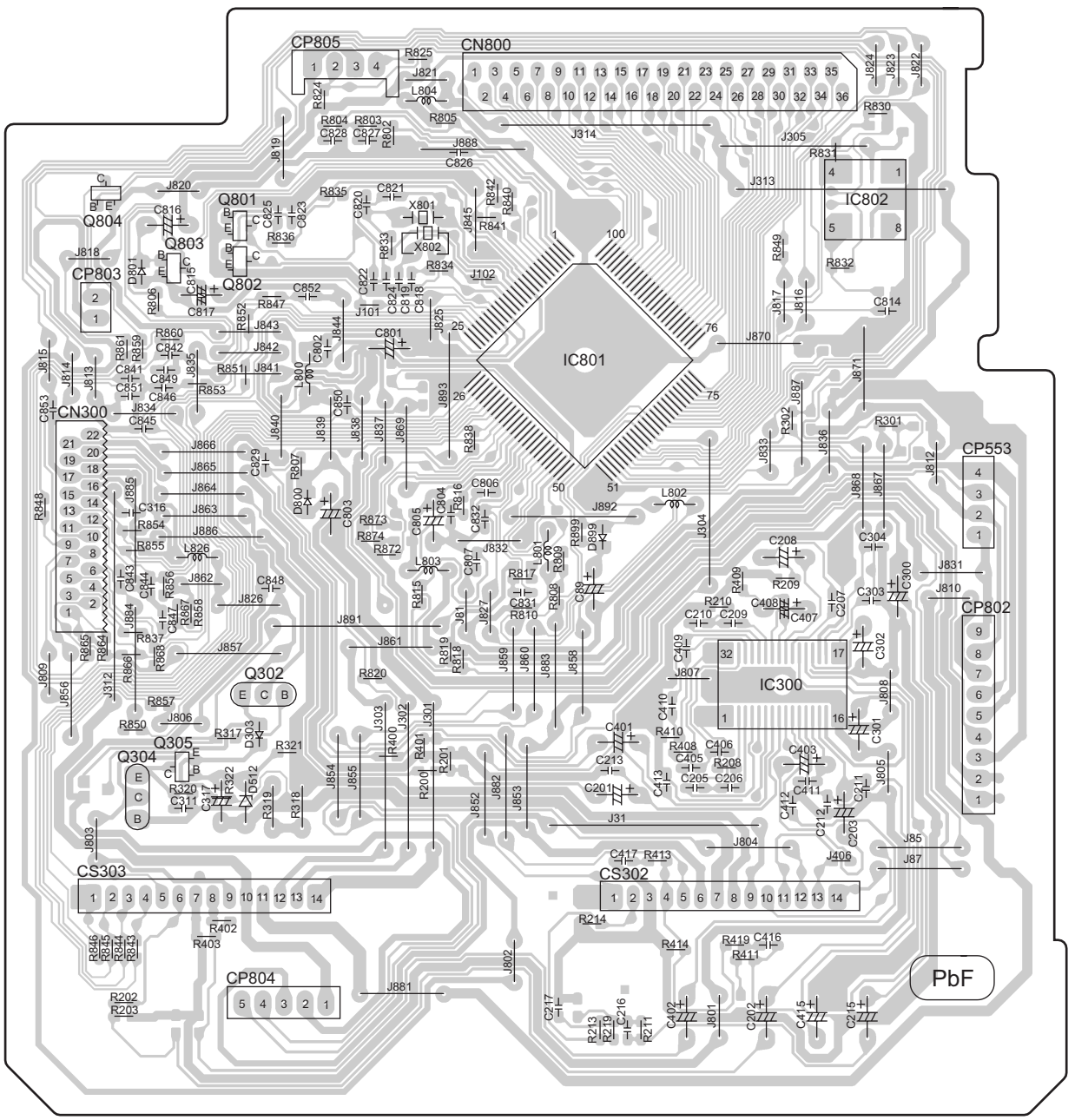
E CD EJECT P.C.B (REPX0342D)



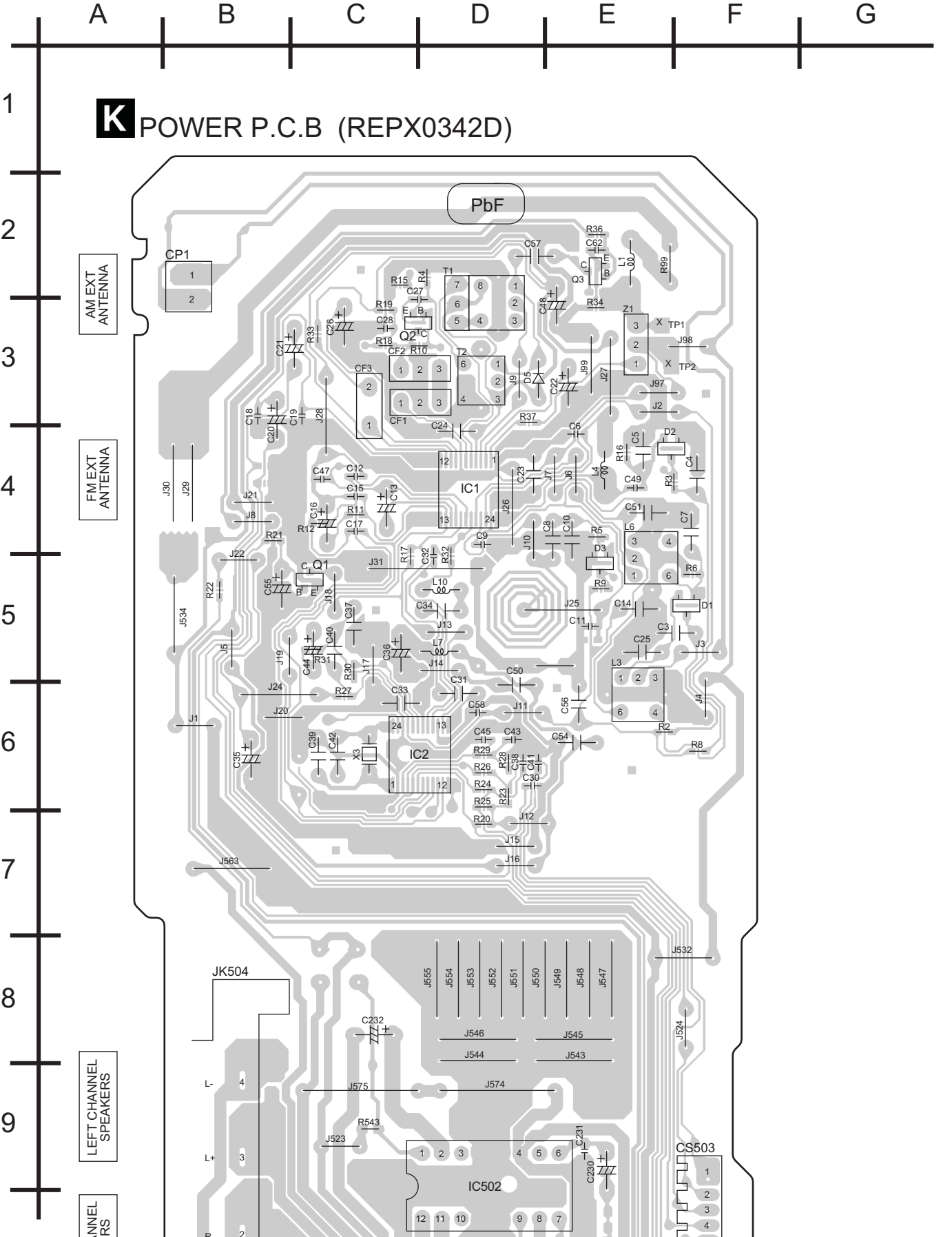
F BACKLIGHT P.C.B (REPX0342D)

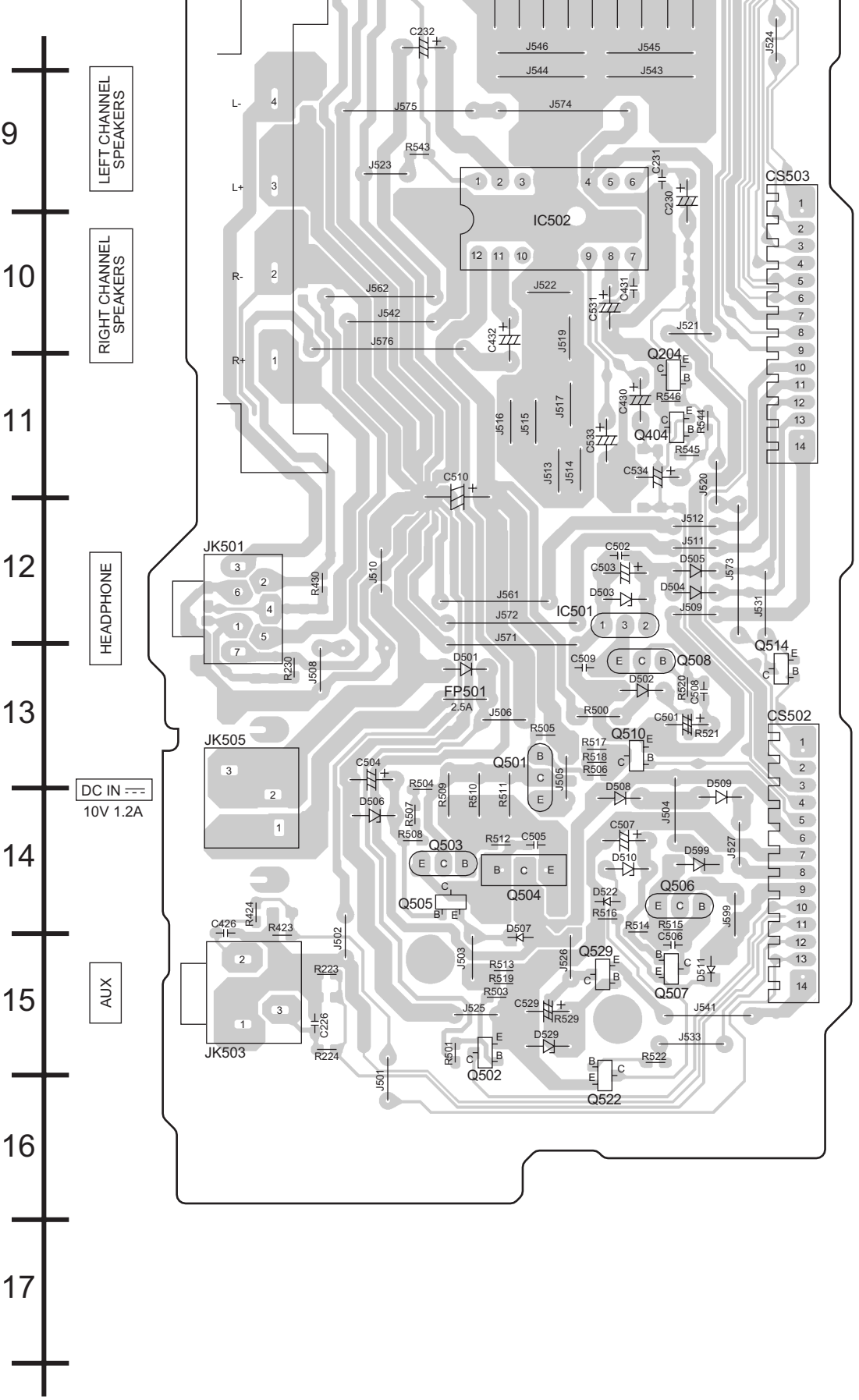


B MAIN P.C.B (REPX0342D)

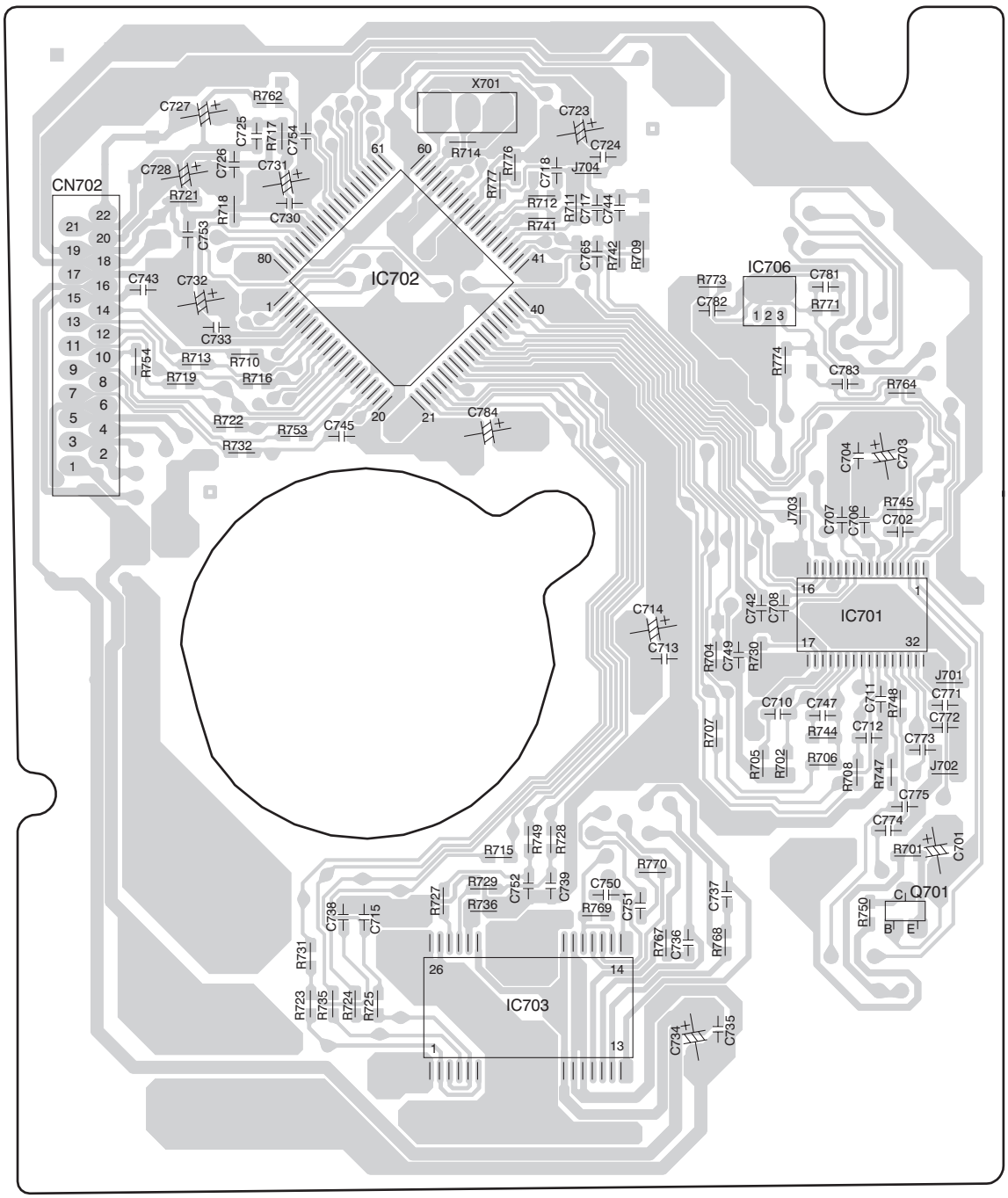


K POWER P.C.B (REPX0342D)



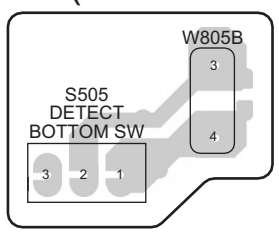

LEFT CHANNEL SPEAKERS
RIGHT CHANNEL SPEAKERS
HEADPHONE
DC IN
10V 1.2A
AUX
IC502
IC501
JK501
JK503
JK505
CS503
CS502
FP501
2.5A
Q204
Q404
Q501
Q502
Q503
Q504
Q505
Q506
Q507
Q508
Q510
Q514
Q522
L-
L+
R-
R+

A CD SERVO P.C.B (REPX0341A)

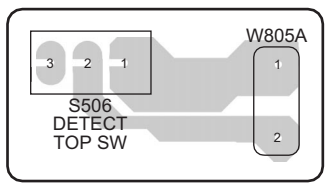


(SIDE A)

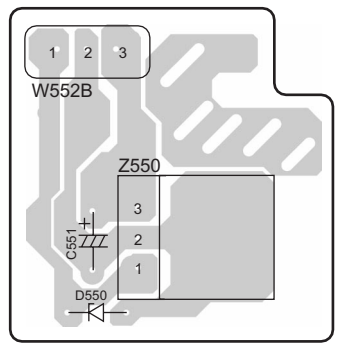
G BOTTOM SWITCH P.C.B (REPX0342D)



H TOP SWITCH P.C.B (REPX0342D)



J SENSOR P.C.B (REPX0342D)



SENSOR

I TACT SWITCH P.C.B (REPX0342D)